

20020708.qrp v02_n610.qrl.20020708

Date: Mon, 8 Jul 2002 19:03:06 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2610

QRP-L Digest 2610

Topics covered in this issue include:

- 1) [129336] LOBSTERCON 2002
by Steven Weber <kd1jv@moose.ncia.net>
- 2) [129337] New Kit soon - the Rock-Mite
by Jim Cluett <w1pid@yahoo.com>
- 3) [129338] Re: New Kit soon - the Rock-Mite
by "Rod N0RC" <rod@n0rc.us>
- 4) [129339] HB Sprint logger for TI-92+
by "Ralph Irons" <n7ri@earthlink.net>
- 5) [129340] RE: Need info about MOSFETs
by "Prof. Arnaldo Coro Antich" <inforhc@ip.etcusa.cu>
- 6) [129341] FS: Kenwood TS 140S
by Donn Kuse <casey.jay@gte.net>
- 7) [129342] Trade Ten-Tec 217 for 218
by "wilford lindsey" <dock0evz@earthlink.net>
- 8) [129343] RE: Real Antenna
by Nick Kennedy <nkennedy@tcainternet.com>
- 9) [129344] Help with palm m505 wall charger qrp related! ;>
by "Kevin Philbin" <oz2dkp@hotmail.com>
- 10) [129345] Trade for QRP items
by "Ronald Davis" <RDavis24@carolina.rr.com>
- 11) [129346] Re: End fed wire
by "Steve Lawrence" <Steve.Lawrence@itwfeg.com>
- 12) [129347] Re: Help with palm m505 wall charger qrp related! ;>
by Phil Wheeler <w7ox@earthlink.net>
- 13) [129348] FS - More shack cleaning
by "Dan Reynolds" <bcdlr@insightbb.com>
- 14) [129349] Re: New Kit soon - the Rock-Mite
by Jim Cluett <w1pid@yahoo.com>
- 15) [129350] Re: Help with palm m505 wall charger qrp related! ;>
by "Mike Yetsko" <myetsko@insydesw.com>
- 16) [129351] Re: Real Antenna
by Jim Campbell <jim-c@nc.rr.com>
- 17) [129352] Re: Need info about MOSFETs
by "Graeme Zimmer" <gzimmer@bigpond.com>
- 18) [129353] Re: Real Antenna
by "George, W5YR" <w5yr@att.net>
- 19) [129354] Re: New Kit soon - the Rock-Mite

- by "Dave Fifield" <dave@redhotradio.com>
- 20) [129355] Re: New Kit soon - the Rock-Mite
by "Rod N0RC" <rod@n0rc.us>
- 21) [129356] Re: Real Antenna
by "Mike Yetzko" <myetzko@insydesw.com>
- 22) [129357] Re: CW decoding question
by David Hinerman <WD8CIV@worldnet.att.net>
- 23) [129358] Re: Real Antenna
by "James R. Duffey" <jamesd1@flash.net>
- 24) [129359] Working with 450 Ladder line?
by BOB MASON <skydive@usa.net>
- 25) [129360] BP4 Battery Pack has been sold
by Eric NM5M <res19m7g@verizon.net>
- 26) [129361] DSW-II, QRO 'Rock-Mite' & AA batts....
by Conrad Weiss <radman@best.com>
- 27) [129362] SALE: FT-817
by "Jay Bromley" <w5jay@alltel.net>
- 28) [129363] Re: DSW-II, QRO 'Rock-Mite' & AA batts....
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 29) [129364] Re: Working with 450 Ladder line?
by "Dave Fifield" <dave@redhotradio.com>
- 30) [129365] SALE: Low-Band DXing
by "Jay Bromley" <w5jay@alltel.net>
- 31) [129366] Items FS or Trade
by "N3BJ" <N3BJ@hotmail.com>
- 32) [129367] Re: New Kit soon - the Rock-Mite
by "Dave Benson" <nn1g@earthlink.net>
- 33) [129368] Re: DSW-II, QRO 'Rock-Mite' & AA batts....
by "Brian" <brian@iquest.net>
- 34) [129369] RE: Need help with SLV Antenna
by "Johnson, Mike (MED, OEC)" <Mike.Johnson@med.ge.com>
- 35) [129370] Re: End fed wire
by "Karl F. Larsen" <k5di@zianet.com>
- 36) [129371] Re: Need help with SLV Antenna
by "G. Brandon Hoyt" <preacher102677@juno.com>
- 37) [129372] Re: New Kit soon - the Rock-Mite
by David Hinerman <WD8CIV@worldnet.att.net>
- 38) [129373] Re: Real Antenna
by "James R. Duffey" <jamesd1@flash.net>
- 39) [129374] Re: YABQ (Yet Another Battery Question)
by psykey@okcforum.org (Jim Glover)
- 40) [129375] RE: Real Antenna
by W2AGN <w2agn@w2agn.net>
- 41) [129376] Re: End fed wire
by "James R. Duffey" <jamesd1@flash.net>
- 42) [129377] QRP ARCI Summer Homebrew Sprint
by Randy Foltz <rfoltz@turbonet.com>
- 43) [129378] Re: New Kit soon - the Rock-Mite

- by Phil Wheeler <w7ox@earthlink.net>
- 44) [129379] Waiting for Godot/ LobsterCon Redux
by "Rod N0RC" <rod@n0rc.us>
- 45) [129380] Changing BW on TenTec filters
by K5BDZ@aol.com
- 46) [129381] Re: Working with 450 Ladder line?
by Don <dwittlic@apci.net>
- 47) [129382] Nigerian Scam comes to QRP-L
by Richard Clem <clem.law@usa.net>
- 48) [129383] Virtual Morse key
by "Leon Heller" <leon_heller@hotmail.com>
- 49) [129384] Re: End fed wire
by "Karl F. Larsen" <k5di@zianet.com>
- 50) [129385] Re: Virtual Morse key
by "Brice D. Hornback" <bdh@cyberbound.net>
- 51) [129386] Re: Virtual Morse key
by David Hinerman <WD8CIV@worldnet.att.net>
- 52) [129387] The Reproducible Experiment Rule
by Nils R Young <nilsbull@juno.com>
- 53) [129388] Re: Virtual Morse key
by "Steve Lawrence" <Steve.Lawrence@itwfeg.com>
- 54) [129389] Glacier/Waterton Hamfest QRP Get-together
by Bruce Rattray <rattray@gpfn.sk.ca>
- 55) [129390] QRP Plus and MFJ DSP unit for sale cheap!
by Jeff <fantbb@yahoo.com>
- 56) [129391] Re: End fed wire
by "George, W5YR" <w5yr@att.net>
- 57) [129392] Re: Virtual Morse key
by "Leon Heller" <leon_heller@hotmail.com>
- 58) [129393] RS goes "Back to Batteries" ...
by Conrad Weiss <radman@best.com>
- 59) [129394] Re: RS goes "Back to Batteries" ...
by "Randy Randall" <randallr@healthall.com>
- 60) [129395] Re: Nigerian Scam comes to QRP-L
by William R Colbert <w5xe@juno.com>
- 61) [129396] Re: RS goes "Back to Batteries" ...
by "Mark J. Dulcey" <mark@buttery.org>
- 62) [129397] Re: End fed wire
by Steven Weber <kd1jv@moose.ncia.net>
- 63) [129398] Hustler 5BTV setup dimensions?
by Chris Cartwright <ccart@phideaux.com>
- 64) [129399] FOX N4DD Final Fox Log
by "Dennis Brickey" <n4dd@preferred.com>
- 65) [129400] Re: Hustler 5BTV setup dimensions?
by "Bill Jones" <kd7s@psnw.com>
- 66) [129401] Re: Hustler 5BTV setup dimensions?
by David Hinerman <WD8CIV@worldnet.att.net>
- 67) [129402] Re: Hustler 5BTV setup dimensions?

- by "jhecht@dnaco.net" <jhecht@dnaco.net>
- 68) [129403] THANKS: Hustler 5BTV setup dimensions?
by Chris Cartwright <ccart@phideaux.com>
- 69) [129404] Re: RS goes "Back to Batteries" ...
by "Tim, N9PUZ" <n9puz@arrl.net>
- 70) [129405] Re: OT-HyGain TapeTenna
by "Randy Randall" <randallr@healthall.com>
- 71) [129406] RE: RS goes "Back to Batteries" ...
by "Tracy Markham" <tracy@bytemark.com>
- 72) [129407] Re: Nigerian Scam comes to QRP-L
by John Moore <jwm@hal-pc.org>
- 73) [129408] Re: Review of the theory and detail of the IDEZ antenna
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 74) [129409] QRP Plus SOLD! but MFJ DSP unit best offer now!!!
by Jeff <fantbb@yahoo.com>
- 75) [129410] Re: End fed wire
by "George, W5YR" <w5yr@att.net>

Date: Sun, 07 Jul 2002 19:31:50 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [129336] LOBSTERCON 2002
Message-ID: <3.0.6.32.20020707193150.007af8f0@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Just got back from going "down east" to the Losbstercon QRP get together. It was a lot of fun! Jim, W1PID did a good summery, but missed a great lobster dinner, too bad you couldn't stay for it Jim! Those "sea spiders" weren't more than four hours out of the water before they meet thier demise in our tummys :-)

It was a real QRP field day at the campground, with nearly everyone having some kind of antenna up and rig going and everyone made at least a few contacts.

We all got a sample of a new Small Wonders kit called the "Rock Mite" It fits in an Altiods tin, of course, and is unique in that it has a built in keyer which also provides sidetone and controls the T/R offset. There's even a crystal on the front end of the DC receiver which gives it good selectivity and makes for an actually usable reciever. The Rock mite isn't available to the masses yet, but it will be shortly and for a very reasonable price too :-) Many thanks to Dave and NorCal for providing this nice souvenir of the get together and to Rex for handing out his collectable "Zomboids" tins to build it in!

Of course the best part was just the informal wandering around and chatting with everyone that showed up. We expected to meet some of the guys from New England there, but didn't expect to meet John and Max from Montreal and Mike, who drove all the way out from Ohio!

I'm definatly going next year and encourage everyone one near and far to plan to attend so we can really fill up the campground! Many, many thanks to Rex, W1REX for coming up with and orginizing this event, which will hopefully get bigger and better each year (but hopefully not too out of hand, hi)

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Sun, 7 Jul 2002 16:41:43 -0700 (PDT)
From: Jim Cluett <w1pid@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [129337] New Kit soon - the Rock-Mite
Message-ID: <20020707234143.16864.qmail@web11606.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

The Rock Mite - A Report

The Rock-Mite kicks butt! I just finished building it and worked a station in Allenstown PA who gave me a 589! This tiny rig is only 700 MW.

Dave Benson handed out this new kit to the participants at Lobstercon in Maine. I was lucky enough to be there and to get one. I understand it's a joint project between Norcal and Small Wonder Labs. The board is beautiful... a tpycial Dave Benson production. It's about 1.5" X 2" in size and has about 60 components. No toroids. Xtal controlled on 7040. The receiver is very hot. I started hearing stations as soon as I gave it power. It has a built-in keyer! I used a straight key for the first QSO. I spent about 3 hours building it and had no problems. Worked first time. The final is a 2N2222. It's got all kinds of bells and whistles. You can shift frequency about 700 Khz. Now I've got to find the right box for it. It's

designed to fit into an Altoids box and will operate on 6V I think. I ran it at 12V. Look for more reviews and builders notes on this neat little project. Get one when they're available. It's very cool. best, Jim w1pid@arrl.net

Do You Yahoo!?

Sign up for SBC Yahoo! Dial - First Month Free
<http://sbc.yahoo.com>

Date: Sun, 7 Jul 2002 18:03:34 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <w1pid@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129338] Re: New Kit soon - the Rock-Mite
Message-ID: <008701c22612\$e79677e0\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jim,

----- Original Message -----

From: "Jim Cluett" <w1pid@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, July 07, 2002 5:41 PM
Subject: New Kit soon - the Rock-Mite

> The Rock Mite - A Report

..

> time. The final is a 2N2222. It's got all kinds of
> bells and whistles. You can shift frequency about 700
> Khz. Now I've got to find the right box for it. It's

WOW, that is some range, 7040 kHz - 7740 kHz! Could it be 700Hz maybe?
700kHz is a pretty wide swing for a VXO design. Then again Dave B. is
somewhat of a magician when it comes to things like this.

73, Rod N0RC

Date: Sun, 7 Jul 2002 20:18:45 -0400
From: "Ralph Irons" <n7ri@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [129339] HB Sprint logger for TI-92+
Message-ID: <CHEGLAJDPKLFHIHBBEAHMEMOCAAA.n7ri@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This Field Day, I tried out a simple logging program for the TI-92+ programmable calculator with QWERTY keyboard. It worked reasonably well, in spite of the small keyboard. After FD was over, I uploaded the data from the calculator and imported it into Excel for my permanent records. Then I deleted the logging program from the calculator (keeping a copy on my PC for next year!)

There is now a version of this program available for QRP ARCI's HB Sprint. (OK, this is not a "to the field" event, but I'm doing it in the field anyway!) It has not yet been tested in the actual contest.

If you'd like to try logging with a TI-92+ next weekend, I would be happy to email you a zipped up set of files, complete with instructions, for the HB Sprint. (You'll also need either the TI Graphlink or TI Connect cable for the PC.) The zipped up files are about 400 kB in size.

72, Ralph N7RI
Charlottesville, VA

Date: Sun, 7 Jul 2002 20:27:40 -0300
From: "Prof. Arnaldo Coro Antich" <inforhc@ip.etcса.сu>
To: <qrp-L@lehigh.edu>
Subject: [129340] RE: Need info about MOSFETs
Message-ID: <001801c2260d\$e39f6660\$4df7a941@user>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dear amigos:
Got several MPF121 / MPF 122 MOSFET dual

gate devices, but they are encapsulated in plastic and I can't find the data about the pinout.

The case is four sided, rectangular in form and the legs come out through the smaller sides of the rectangle.

The device also has a protuberance on top of the side where the MPF121 is marked, it is on one side of the rectangle, and I believe this may be an indicator for the pin out.

I must admit that attempts to determine the elements connected to each pin have failed.

Of course that these are DRAIN, GATE 1 GATE 2 and SOURCE

Date: Sun, 07 Jul 2002 20:45:23 -0400
From: Donn Kuse <casey.jay@gte.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129341] FS: Kenwood TS 140S
Message-ID: <3D28E0A2.D908FFEE@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For sale: Kenwood TS-140S, PS-430 power supply, mike, and manual. All in excellent operating condition, like new. Asking \$400.00 plus shipping from Florida (33844). Reason for selling: looking Kenwood TS-50S for portable/battery operation.
--Donn, WB4ZWT

Date: Sun, 7 Jul 2002 19:47:06 -0500
From: "wilford lindsey" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [129342] Trade Ten-Tec 217 for 218
Message-ID: <4120027180476565@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Have an extra 217 Ten-Tec CW filtre. Would like to trade it even for a 218 CW filtre? Anyone have one you will part with? Thanks in advance.

73,

--Doc/K0EVZ

--- wilford lindsey

--- dock0evz@earthlink.net

--- EarthLink: The #1 provider of the Real Internet.

Date: Mon, 8 Jul 2002 20:09:16 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'w2agn@w2agn.net'" <w2agn@w2agn.net>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129343] RE: Real Antenna
Message-ID: <01C226BB.56B2E660.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

John, are you saying that only the side of the antenna connected to 'hot' is carrying current? I don't think the effect will be nearly that drastic. Yes, you greatly increase your potential for unbalanced feeder current doing it like this, but it's still operating as a dipole.

72--Nick, WA5BDU

-----Original Message-----

From: W2AGN [SMTP:w2agn@w2agn.net]

On 7 Jul 2002 at 17:10, Mike Yetsko wrote:

>

> I've run a 4:1 here with a short length of RG-59 then 300 twinlead the
> rest of the way, but on a hunch tried just going from a BNC to binding
> post adapter direct to the twinlead and it worked just as well.

What you are doing is feeding one side of your antenna as a long wire, with the other side connected to ground (call it a counterpoise if you wish).

Sure the K2 will match it,
but it is by no means a balanced antenna any more.

Date: Sun, 07 Jul 2002 18:20:35 -0700
From: "Kevin Philbin" <oz2dkp@hotmail.com>
To: qrp-l@lehigh.edu
Cc: oz2dkp@hotmail.com
Subject: [129344] Help with palm m505 wall charger qrp related! ;>
Message-ID: <F101ZKAnc0E9msWWfGg0000b26e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Dear Friends,

As the old saying goes there is good news and there is bad news! My daughter has given me her palm m505! That's the good news! The bad news? She is spending the summer studying in china and the charger (the wall charger) is at her university dorm storage back east! She will not return to the east coast till january! I don't want to wait that long!

I checked the Palm web site and they show a ciragete adaptor to palm adaptor..I would like the specifications (output voltage of the charger d.c. I assume and the current rating. Also I am assuming that the center of the female plug on the wall charger is "+").

Can anyone help?

The latest qrp homebrewer has an aricle on using your palm pilot with qrp activities..I new I could tie this in to qrp!

Help..

Donald Philbin

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Sun, 7 Jul 2002 21:24:08 -0400
From: "Ronald Davis" <RDavis24@carolina.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [129345] Trade for QRP items
Message-ID: <014901c2261e\$282edf30\$a13e4a18@your318ruqz03z>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello

I have sold just about everything I listed the other day and here is some items I would like to trade for QRP stuff.

Ten Tec 963 PS very good shape \$150 with box

LDG-11MP Autotuner like new \$175 with box and manual

Ten Tec 208 CW Filter \$40

Ten Tec 210 PS \$40

Interested in trading for QRP kits, parts and test equipment for QRP work. Trying to sell all my QRO stuff so I can go all QRP. Let me know if interested and I can supply digital pics of all. Looking for Small Wonder Kits, Wilderness Radio Kits and OHR kits. Will also consider a laptop for logging. Looking for a HP410C voltmeter, HP freq counter and HP signal generator.

Thanks

Ronnie KE4VPN

Date: Sun, 7 Jul 2002 21:48:45 -0400
From: "Steve Lawrence" <Steve.Lawrence@itwfeg.com>
To: k5di@zianet.com
Cc: qrp-l@lehigh.edu
Subject: [129346] Re: End fed wire
Message-ID: <0F41EF8929.EBED3633-ON85256BEF.006DFDD1-85256BF0.0009F09A@itwfeg.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Karl,

I've read, and re-read Alan Chester's (G3CCB) (SK) article "Taming the End-Fed Antenna" which appears on page 118 of "The "Antenna File" published by RSGB, with great interest. Mr. Chester rationalized that there might be some "friendly" length of wire usable for an end-fed antenna, that doesn't present a tough-to-tune, high impedance load on a selected set of bands. The undesirable high impedance situation arises when the wire length approaches 1/2 wavelength (or multiple of) on the frequency in question. He concludes a length of 1/8 - 3/8 wavelength or 5/8 - 7/8 wavelength (or multiples thereof) represents the desirable target lengths to reduce the impedance, and therefore the problem of devising a suitable match.

>From this information, Mr. Chester proceeds to plot the length of wire, staying away from 3/8 - 5/8 wavelengths (and multiples thereof) on the bands 160 - 10m. From this plot, several end-fed wire lengths are chosen:

26.5m, 15.0m, and 10.0m. These lengths are analyzed in further detail. In brief, he concludes the 26.5m wire would be suitable for 160 - 10m; the 15m length for 80, 40, 20, 17, 15, 12, 10; and the 10m length for 80, 40, 30, 17, 15, 12, 10.

While I haven't taken his conclusions into the field (this is on my "to do" list for future portable antenna experiments), his thinking seems rational. He also addresses the resulting match situation with these chosen wire lengths. Please check out the article for all the details.

I would be interested in your (or anyone's) experience in testing Mr. Chester's end-fed wires.

73,
Steve
AA8AF

"Karl F. Larsen" <k5di@zianet.com>
Sent by: owner-qrp-1@Lehigh.EDU
06/29/2002 05:11 PM
Please respond to k5di

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
cc:
Subject: End fed wire

I started out as a kid with a war surplus mast on the roof of my parents home. I fed a wire running between this mast and a distant telephone pole with 600 ohm feed line. The feedline went to a antenna tuner which was a plug-in coil across a dual gang capacitor. The transmitter was coupled by swinging coil at the center of the plug-in coil and the 600 ohm line was tapped onto the plug-in coil.

I had coils for 80,40, 20,15 and 10 meters. With some difficulty I was able to load my 1000 watt CW signal on every band to about 1000 watts input power. On some bands I could draw a 3 inch arc from the tuner with a pencil. Others it was not hot at all.

Reading my old ARRL Antenna Book, it says this antenna

will work

fine IF the feedline and the antenna are 1/2 wavelength long. I'm certain the feedline and antenna were never exactly 1/2 wavelength long but the antenna seemed to work fine. Was this because of the high power? Or does this antenna really radiate well?

I want to try the intentional none resonant 44 foot antenna fed with a random length of 300 ohm at the end of the antenna. I have finished my QRP tuner with a 1:1 balun input and it works fine with my FT-817 which has a built in SWR meter. My center fed dipole with 450 ohm line tuned up on 7.240 MHz with this tuner.

Do you have any data on using a end fed wire on all bands? Sure like to hear your results.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Sun, 07 Jul 2002 18:53:28 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: oz2dkp@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [129347] Re: Help with palm m505 wall charger qrp related! ;>
Message-ID: <3D28F098.1040204@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=windows-1252; format=flowed
Content-Transfer-Encoding: 7bit

Kevin Philbin wrote:

>

>

> Dear Friends,

>

> As the old saying goes there is good news and there is bad news! My
> daughter has given me her palm m505! That's the good news! The bad
> news? She is spending the summer studying in china and the charger
> (the wall charger) is at her university dorm storage back east! She

> will not return to the east coast till january! I don't want to wait
> that long!
>
> I checked the Palm web site and they show a ciragete adaptor to palm
> adaptor..I would like the specifications (output voltage of the
> charger d.c. I assume and the current rating. Also I am assuming that
> the center of the female plug on the wall charger is "+").
>
> Can anyone help?

Likely the battery is Lithium Ion. They do take a bit of care in charging.

Do you have the cradle? You will need that to hotsync to a PC or Mac. I think the cradle+charger are a unit in the 505; at least that is true for some Palm PDAs.

Maybe your best bet is to just buy that combo.

73, Phil

Date: Sun, 7 Jul 2002 21:01:44 -0500
From: "Dan Reynolds" <bcdlr@insightbb.com>
To: "qrp-L Reflector \ (qrp-L Reflector\)" <qrp-l@lehigh.edu>
Subject: [129348] FS - More shack cleaning
Message-ID: <000c01c22623\$695a4670\$0100a8c0@c1641599a>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

I'm trying to raise some money to buy a SSB filter for my Kenwood TS-140S and I run it at QRP levels exclusively so this is sorta, kinda QRP related...

I have some laptop batteries, I have two Li-Ion 14.4V 2500mAh Dell batteries, \$8 a piece, 2 for \$12 plus shipping. Never could figure out a charging circuit...

I also have a new IBM 9.6V 2.8Ah Ni-MH, \$15 plus shipping (this is for an IBM TP365 and is \$85 new). I have a 3.5" floppy drive for a IBM TP365 with the external cable/box for \$10 plus shipping. I could make a deal on both (\$20 plus shipping?)!

I have a Baycom type packet modem, N3PRT assembled from a kit but never wired up and tested, \$12 shipped.

I have a Ramsey 2 meter power amp with the sensing relay in a nice

little alum. box. Worked but would never put out rated power, \$15 - box connectors everything (no manual) plus shipping.

Analog devices AD9835 with a breadboard for experimenting (a little board with traces on it made by one of the genius qrp-l members), \$10 shipped and includes two SMD Maxim chips (could've swore they were charge pumps...) mystery.

Original Neophyte receiver, assembled, with connectors pot vernier drive air variable, speaker w/headphone jack. Works FB. Mounted on a piece of plywood with a wood front panel, \$25 plus shipping.

Speedex key, black wrinkle base, no shorting bar, \$15 shipped.

Now to the oldies but goodies. I have a BC221 Frequency Meter, 125 - 20000 KC, Bendix Radio. In fair to good shape with calibration manual. I started a power supply and will include that also. Worked five years ago hasn't been touched since. This is not a museum piece but it did work and includes the calibration manual which is kinda rare (if you want to see one <http://www.qsl.net/ab0cw/ral7.htm>). Price is negotiable - plus shipping. It is heavy and I'd want to pack it really well. I don't need this one as I have a "brand new" one in storage. I also have an Arc-5 shell with the roller inductor and variable capacitor. Best offer plus shipping.

Sorry for the length of this post. And thanks. Please reply off the list...

Dan Reynolds KB9JL0

Date: Sun, 7 Jul 2002 19:11:10 -0700 (PDT)
From: Jim Cluett <w1pid@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129349] Re: New Kit soon - the Rock-Mite
Message-ID: <20020708021110.5547.qmail@web11605.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Darn those Kilo-monsters. Yes Hz. NOT KHz.
Jim

--- Rod N0RC <rod@n0rc.us> wrote:
> Jim,
>
> ----- Original Message -----
> From: "Jim Cluett" <w1pid@yahoo.com>
> To: "Low Power Amateur Radio Discussion"
> <qrp-l@Lehigh.EDU>
> Sent: Sunday, July 07, 2002 5:41 PM
> Subject: New Kit soon - the Rock-Mite

>
>
> > The Rock Mite - A Report
> ..
> > time. The final is a 2N2222. It's got all kinds of
> > bells and whistles. You can shift frequency about
> 700
> > Khz. Now I've got to find the right box for it.
> It's
>
> WOW, that is some range, 7040 kHz - 7740 kHz! Could
> it be 700Hz maybe?
> 700kHz is a pretty wide swing for a VX0 design. Then
> again Dave B. is
> somewhat of a magician when it comes to things like
> this.
>
> 73, Rod N0RC
>
>
>
>
>

Do You Yahoo!?
Sign up for SBC Yahoo! Dial - First Month Free
<http://sbc.yahoo.com>

Date: Sun, 7 Jul 2002 22:08:18 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <oz2dkp@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129350] Re: Help with palm m505 wall charger qrp related! ;>
Message-ID: <004f01c22624\$5e4edce0\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> As the old saying goes there is good news and there is bad news! My
daughter
> has given me her palm m505! That's the good news! The bad news? She is
> spending the summer studying in china and the charger (the wall charger)
is

> at her university dorm storage back east! She will not return to the
east
> coast till january! I don't want to wait that long!
>

I have a Palm MIIIC, and the adapter for that is a REGULATED 5vdc
at 1.0amp. The center is +

I think you can get what you need at Radio Shack. Even if it's not
where you want to buy, you can go see what they have on the wall
to figure out if there's anything you might already have you can use.

Mike

Date: Sun, 07 Jul 2002 22:13:17 -0400
From: Jim Campbell <jim-c@nc.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129351] Re: Real Antenna
Message-ID: <3D28F53D.B6E3361C@nc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to all who contributed to this discussion. I will try to
summarize what I learned.

First, I feel much better about my cobbled-up attic antenna. I still
envy those with multi-element beams on 60 foot towers. That just isn't
going to happen here.

Second, I probably need to swap my 300 ohm twin-lead for the 75 ohm
variety. The difference won't be big, but it will be something, and we
should always strive to better things.

Third, I will probably rig up some kind of arrangement so that I can add
various lengths of jumpers into the twin-lead to determine
experimentally what is the best length.

Fourth, it looks like that even in the worst case, I'm not losing all
that much signal in the feed line.

The MFJ-259B probably isn't the most accurate device around, but it will
suffice for my purposes.

Again, thanks to all who contributed to my education with this discussion.

72/73,

Jim
W4BQP
K2 #2268

Date: Mon, 8 Jul 2002 00:21:21 +1000
From: "Graeme Zimmer" <gzimmer@bigpond.com>
To: <inforhc@ip.etcscu.au>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129352] Re: Need info about MOSFETs
Message-ID: <000001c225c1\$e8fe7020\$16fbfea9@newlaptop>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,

> Got several MPF121 / MPF 122 MOSFET dual
> gate devices, but they are encapsulated in
> plastic and I can't find the data about the
> pinout.

I found this in an old ARRL H/B (1977)

Looking at top, then going clockwise..

The bump is Source (pin1)
Gate1 (pin 2)
Gate2 (pin 3)
Drain (pin 4)

The MPF120 is good to 105 MHz (RF amp)
MPF121 200 MHz (RF amp)
MPF122 also 200 MHz (Mixer)

Let me know if that doesn't make sense and I'll scan the page for you..

Cheers Zim VK3GJZ

Date: Sun, 07 Jul 2002 21:51:14 -0500
From: "George, W5YR" <w5yr@att.net>
To: jim-c@nc.rr.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129353] Re: Real Antenna
Message-ID: <3D28FE22.6CFB9C3E@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim, I would offer just one more comment:

I would not change from 300-ohm line to 75 ohm line, even if you are able to find some. For your application with a tuned line with a relatively high SWR on it, you need the higher impedance. Your losses will be lower due to the higher Z_0 and I think that the line input impedances on various bands may be easier to accommodate than with the 75 ohm line. Frankly, I cannot see any merit to changing to the lower-impedance line. Maybe I have missed a point in the discussion . . .

Depending upon the tuner that you use, you may or may not need to try various line lengths. But I have found that my MFJ 989C tuners are able to handle anything I have thrown at them on 80-10.

3/72/oo, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Jim Campbell wrote:

>
> Thanks to all who contributed to this discussion. I will try to
> summarize what I learned.

<snip>

> Second, I probably need to swap my 300 ohm twin-lead for the 75 ohm
> variety. The difference won't be big, but it will be something, and we
> should always strive to better things.
>

Date: Sun, 7 Jul 2002 19:51:49 -0700
From: "Dave Fifield" <dave@redhotradio.com>
To: <w1pid@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129354] Re: New Kit soon - the Rock-Mite
Message-ID: <004501c2262a\$68291540\$0400a8c0@AD6A>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wow, 700 Megawatts from a 1.5" x 2" kit!
(Darn those Mega-monsters?)

72, Dave, AD6A

----- Original Message -----
From: "Jim Cluett" <w1pid@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, July 07, 2002 4:41 PM
Subject: New Kit soon - the Rock-Mite

> The Rock Mite - A Report
>
> The Rock-Mite kicks butt! I just finished building it
> and worked a station in Allenstown PA who gave me a
> 589! This tiny rig is only 700 MW.
>
> Dave Benson handed out this new kit to the
> participants at Lobstercon in Maine. I was lucky
> enough to be there and to get one. I understand it's a
> joint project between Norcal and Small Wonder Labs.
> The board is beautiful... a typical Dave Benson
> production. It's about 1.5" X 2" in size and has about
(snip)

Date: Sun, 7 Jul 2002 21:01:26 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129355] Re: New Kit soon - the Rock-Mite
Message-ID: <009501c2262b\$c0a25af0\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Gang,

I think there is a lot more to this rig than is being let on by others. ;-)

Dave B., Doug H. just how much cat is out of the bag?

73, Rod N0RC

----- Original Message -----

From: "Dave Fifield" <dave@redhotradio.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, July 07, 2002 8:51 PM

Subject: Re: New Kit soon - the Rock-Mite

> Wow, 700 Megawatts from a 1.5" x 2" kit!

> (Darn those Mega-monsters?)

>

> 72, Dave, AD6A

>

> ----- Original Message -----

> From: "Jim Cluett" <w1pid@yahoo.com>

> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Sunday, July 07, 2002 4:41 PM

> Subject: New Kit soon - the Rock-Mite

>

>

> > The Rock Mite - A Report

> >

> > The Rock-Mite kicks butt! I just finished building it

> > and worked a station in Allentown PA who gave me a

> > 589! This tiny rig is only 700 MW.

> >

Date: Sun, 7 Jul 2002 23:00:00 -0400

From: "Mike Yettsko" <myetsko@insydesw.com>

To: <jim-c@nc.rr.com>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [129356] Re: Real Antenna

Message-ID: <00c701c2262b\$b0134fa0\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

First off, I wouldn't change from the 300 ohm. But I WOULD try
a 4:1 balun where you go from the coax to the twinlead. Then let the
K2 ATU handle the mismatch and see what you get.

Mike

----- Original Message -----

From: "Jim Campbell" <jim-c@nc.rr.com>

> Second, I probably need to swap my 300 ohm twin-lead for the 75 ohm
> variety. The difference won't be big, but it will be something, and we
> should always strive to better things.

>

> Jim

> W4BQP

> K2 #2268

Date: Sun, 07 Jul 2002 23:19:11 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [129357] Re: CW decoding question
Message-ID: <5.1.0.14.1.20020707231617.00b1ce70@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Folks,

For the people who were interested in the Morse decoder program I wrote to
practice sending, here's a link to my Web site:

<http://home.att.net/~wd8civ/index.html>

Click the link that says MORSERX and you'll get a Zip file with the program
and a small Readme file.

Let me know what you think. Good luck!

Dave

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton

Dave Hinerman
WD8CIV@att.net

Date: Sun, 07 Jul 2002 21:28:47 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-l@lehigh.edu>, <jim-c@nc.rr.com>
Subject: [129358] Re: Real Antenna
Message-ID: <B94E630F.18B12%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Jim - If you swap the 300 Ohm twinlead do it for 450 Ohm ladder line, not 75 Ohm twin lead. The losses are a function of the line impedance, and the 75 Ohm feeder will have more loss than either the 300 Ohm line or the 450 Ohm line. - Dr. Megacycle KK6MC/5

--
James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Sun, 07 Jul 2002 23:54:13 -0400
From: BOB MASON <skydive@usa.net>
To: <qrp-l@lehigh.edu>
Subject: [129359] Working with 450 Ladder line?
Message-ID: <20020708035413.24892.qmail@uwdvg002.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

I'm getting ready to move to a new QTH and planning the antennas to go up after the move. Have a couple multiband experiments in mind and plan on feeding them with 450 ladder. I have never worked with ladder line before so have a couple questions.

I am going to be using some 20 foot steel masts to support feed points. =

Is
there any sort of rule of thumb for how far I need to keep the ladder line
from these masts? Any neat ideas on how to do it. Likewise, I'll be running
down the sides of a brick house do I need to have the ladder line stood off
from it somehow. =

Hope these questions are not too weird... I've been a coax person all my life
and just only now starting to see the light.

72
Bob WB8CAC
<http://www.runswithscissors.us>

Date: Sun, 7 Jul 2002 23:05:52 -0500
From: Eric NM5M <res19m7g@verizon.net>
To: qrp-1@lehigh.edu
Subject: [129360] BP4 Battery Pack has been sold
Message-ID: <20020708040552.U0VB18948.out009.verizon.net@localhost>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

FI

BP4 Battery Pack has been sold.

73,
Eric

Date: Sun, 7 Jul 2002 22:08:13 -0700
From: Conrad Weiss <radman@best.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>

Subject: [129361] DSW-II, QRO 'Rock-Mite' & AA batts....
Message-ID: <01C22602.CA573C60@209-162-48-220.thegrid.net>

Gang,

Wow, what a smokin' news day - what with all the reports coming in from
Lobstercon & Small Wonder Labs -- the draught is finally over !

Nearly two years after its departure, many would have been happy enough
just to learn of "Son of DSW" - Benson's born-again, repackaged, smaller,
cooler, leaner, meaner and internally 'wires-free' DSW wonder rig. But
wait, there's more....

.... the joint-venture Small Wonder/NorCal 700 Megawatt 1.5" x 2" DC
'Rock-Mite' -- complete with a rubber crystal that can be "bent" over
700kHz rig and spring right back to 7040! And it fits in an Altoids-like
tin! But wait, there's more...

.... when you think of powering up a 'Son of DSW' or a 700Megawatt
'Rock-Mite' what's the first thing you think of? Batteries! Finally, two
years later, the SF Bay area Costco stores are again stocking bricks of AA
cells. They're back! And they're said to be "better." 48 AA cells for a
mere \$9.97. That's so sweet! The draught is finally over! We'll have rigs;
batteries galore.... And NO, I don't sell batteries for a living! What a
July 4th weekend. Doncha think? :)....!

Nite all,

Conrad Weiss
NN6CW not affiliated with Lobstercon, SW Labs, Costco Inc, or
'Rock-Mite'...

Date: Mon, 8 Jul 2002 00:37:02 -0500
From: "Jay Bromley" <w5jay@alltel.net>
To: <qrp-1@lehigh.edu>
Subject: [129362] SALE: FT-817
Message-ID: <009e01c22641\$7d7451a0\$6518150a@Alltel>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,
I have a Mint condition Yaesu FT-817. Comes with Irad 300 Hz Collins

Mechanical filter and W4RT internal battery. \$600 firm and I ship to your door.

Thank you and 73 de w5jay..

Jay Bromley W5JAY
9505 Bryn Mawr Circle
Fort Smith, AR. 72908-9276

PH # 479-651-7012
w5jay@arrl.net

Date: Sun, 7 Jul 2002 22:44:06 -0700
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: <radman@best.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129363] Re: DSW-II, QRO 'Rock-Mite' & AA batts....
Message-ID: <000f01c22642\$7a50ae00\$44d856d1@tjnotebook>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> the joint-venture Small Wonder/NorCal 700 Megawatt 1.5" x 2" DC
> 'Rock-Mite' -- complete with a rubber crystal that can be "bent" over
> 700kHz rig and spring right back to 7040! And it fits in an Altoids-like
> tin! But wait, there's more...
>
> when you think of powering up a 'Son of DSW' or a 700Megawatt
> 'Rock-Mite' what's the first thing you think of? Batteries!

Hi Conrad and All,

Hehehe... man not very QRP! the first thing I'd be doing is to see if I could directly tap into California's Power Grid. As shakey as that's been lately, we may not be able to get through a QSO without a rolling blackout hitting us. Heck, the grid may only support 2 or 3 of these in transmit mode! Better have that QSO scheduled for after 7 PM PST.

Boy, That's way cool!!! New rigs from Dave!!! I can't wait to get my hands on a couple of the new DSW rigs, plus this 'Rock-Mite' rig sounds like a fun one to play with. Well, we've got a few months until Winter, and that's when we'll all be looking for indoor projects, Hi!

73's Trev KG6CYN

Date: Sun, 7 Jul 2002 22:47:03 -0700
From: "Dave Fifield" <dave@redhotradio.com>
To: <skydive@usa.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [129364] Re: Working with 450 Ladder line?
Message-ID: <003b01c22642\$e332a7c0\$0400a8c0@AD6A>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bob,

Keep the 450ohm ladderline about a foot away from all objects. Use whatever plastic bits and bobs you can find to acheive this. I found some plastic wall stays/ties at Home Depot that did the job for me when I had a dipole up fed with the stuff.

Be specially careful as you cross or go near any other bits of metal as proximity to these will cause mismatches and unbalance = loss. I found it quite a chore running my feeder all the way from the tuner balun output in the shack.

One thing I noticed that you may like to consider very carefully - especially if you have much rain - is that as soon as the ladderline becomes wet, the match goes to the dogs and you won't be able to tune up or get out worth a darn.

If you have sunshine all the time, then great, go for it, but, I found even here in sunny silicon valley, there were enough wet days to make it a pain to have this limitation on my ham radio on-air times. I switched to a beam and vertical in the end. I do still have a G5RV up that I use on 80m occasionally but that has twin feeder (like TV stuff, with no holes) and doesn't seem to be affected so much by the rain. YMMV.

Good luck es 72,
Dave Fifield, AD6A

----- Original Message -----

From: "BOB MASON" <skydive@usa.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, July 07, 2002 8:54 PM
Subject: Working with 450 Ladder line?

> I'm getting ready to move to a new QTH and planning the antennas to go up
> after the move. Have a couple multiband experiments in mind and plan on
> feeding them with 450 ladder. I have never worked with ladder line before so
> have a couple questions.
>
> I am going to be using some 20 foot steel masts to support feed points. Is
> there any sort of rule of thumb for how far I need to keep the ladder line
> from these masts? Any neat ideas on how to do it. Likewise, I'll be running
> down the sides of a brick house do I need to have the ladder line stood off
> from it somehow.
>
> Hope these questions are not too weird... I've been a coax person all my life
> and just only now starting to see the light.
>
>
> 72
> Bob WB8CAC
> <http://www.runswithscissors.us>
>
>

Date: Mon, 8 Jul 2002 02:12:08 -0500
From: "Jay Bromley" <w5jay@alltel.net>
To: <qrp-1@lehigh.edu>
Subject: [129365] SALE: Low-Band DXing
Message-ID: <00e201c2264e\$c6742440\$6518150a@Alltel>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here is a book that may be of interest to someone on the list. I have a 2nd
Edition of "Antennas and Techniques For Low-Band DXing" by John, ON4UN,
Devoldere. This is NOT the current edition, that is the reason I am
selling, I got the new one and need to clean house a little. Nice
condition, shipped for \$10.

73 de w5jay..

Jay Bromley W5JAY
9505 Bryn Mawr Circle

Fort Smith, AR. 72908-9276

Date: Mon, 8 Jul 2002 05:48:42 -0400
From: "N3BJ" <N3BJ@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [129366] Items FS or Trade
Message-ID: <0E697p1GVBBxFd7Fk1P0000701b@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

TenTec 1254 digital HF RX, works great, manual.

\$150 shipped

LDG Z11 auto tuner, works great, with Mountain-Ops TackPak

\$140 shipped

Or trade for QRP items - what do you have ?

Alan, N3BJ
Bent Mountain, VA

Date: Mon, 8 Jul 2002 05:58:48 -0700
From: "Dave Benson" <nn1g@earthlink.net>
To: <dave@redhotradio.com>, <qrp-1@lehigh.edu>
Subject: [129367] Re: New Kit soon - the Rock-Mite
Message-ID: <001101c2267f\$34a49aa0\$faeed73f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave-

It's actually 2" x 2.5" - Altoids-compatible:-)

I can't reveal how I make it look smaller- that's a trade secret <g>.

73- Dave

Dave Benson, K1SWL
dave@smallwonderlabs.com
http://smallwonderlabs.com
Phone/fax 860-537-8031

-----Original Message-----

From: Dave Fifield <dave@redhotradio.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Sunday, July 07, 2002 19:55 PM
Subject: Re: New Kit soon - the Rock-Mite

Wow, 700 Megawatts from a 1.5" x 2" kit!
(Darn those Mega-monsters?)

<snip>

Date: Mon, 8 Jul 2002 05:54:02 -0500
From: "Brian" <brian@iquest.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [129368] Re: DSW-II, QRO 'Rock-Mite' & AA batts....
Message-ID: <003301c2266d\$c5c97440\$bc492bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

It's truely incredible!

Is the Rock-Mite thingie powered by a Mr. Fusion? Sure it fits in your shirt pocket but for full 700 Mega Watt operation you'll need the optional patented "Pull Behind" "Battery Trailer".

----- Original Message -----

From: "Conrad Weiss" <radman@best.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, July 08, 2002 12:08 AM
Subject: DSW-II, QRO 'Rock-Mite' & AA batts....

> Gang,

>
> Wow, what a smokin' news day - what with all the reports coming in
from
> Lobstercon & Small Wonder Labs -- the draught is finally over !
>
> Nearly two years after its departure, many would have been happy
enough
> just to learn of "Son of DSW" - Benson's born-again, repackaged,
smaller,
> cooler, leaner, meaner and internally 'wires-free' DSW wonder rig.
But
> wait, there's more....
>
> the joint-venture Small Wonder/NorCal 700 Megawatt 1.5" x 2" DC
> 'Rock-Mite' -- complete with a rubber crystal that can be "bent"
over
> 700kHz rig and spring right back to 7040! And it fits in an
Altoids-like
> tin! But wait, there's more...
>
> when you think of powering up a 'Son of DSW' or a 700Megawatt
> 'Rock-Mite' what's the first thing you think of? Batteries! Finally,
two
> years later, the SF Bay area Costco stores are again stocking bricks
of AA
> cells. They're back! And they're said to be "better." 48 AA cells
for a
> mere \$9.97. That's so sweet! The draught is finally over! We'll have
rigs;
> batteries galore.... And NO, I don't sell batteries for a living!
What a
> July 4th weekend. Doncha think? :)....!
>
> Nite all,
>
> Conrad Weiss
> NN6CW not affiliated with Lobstercon, SW Labs, Costco Inc, or
> 'Rock-Mite'...
>
>
>
>

Date: Mon, 8 Jul 2002 06:43:25 -0500

From: "Johnson, Mike (MED, OEC)" <Mike.Johnson@med.ge.com>
To: "'David Gauding'" <david.gauding@bbs.galilei.com>, qrp-1@lehigh.edu
Subject: [129369] RE: Need help with SLV Antenna
Message-ID: <2DE78F33FFE0D3118C0200508B94F9CA01BCD691@uswaumsx08medge.med.ge.com>
MIME-Version: 1.0
Content-Type: text/plain

Thanks, Dave!

Is there somewhere we could read about the SLX and SL Quickie antennas?
Are they commercially available?

I will try the 1/8 wave radials.

72 from Utah!

Mike
K7RVX

-----Original Message-----

From: David Gauding [mailto:david.gauding@bbs.galilei.com]
Sent: Wednesday, July 03, 2002 9:18 PM
To: qrp-1@lehigh.edu
Cc: Johnson, Mike (MED, OEC)
Subject: Re: Need help with SLV Antenna

Hello Mike,

The original SLV was designed to be very convenient for the portable operator. If you don't mind the additional grunt work in the field, increase the number of folded twinlead radials from four to eight. Twelve would be even better if your logistics permit.

If increasing the number of radials does not reduce hand capacity effects you might consider adjusting the feedline length a bit, or repositioning it between the antenna and the tuner. Either alternative can be helpful.

Here are two little things that can be a problem for builders of the original SLV. I'm sure you have already seen to them, but they are included here for the benefit of others who may be considering the antenna, or are experiencing problems. First, make sure the coil is shorted at the top and

at the bottom. If it isn't, nothing good happens, and tuning varies between real touchy and impossible. Second, make sure the wire link is in place on the tuner so one side of the balanced line output is connected to ground.

Since the original SLV material was published in 1996, I converted from folded twinlead radials to St. Louis Radials, which are fabricated from computer ribbon cable. These are lighter than twinlead and more easily managed during installation, retrieval and storage.

The current ribbon radial configuration has all seven conductors cut to the same length. They are configured as an 1/8th wave on the lowest design frequency, or about 16.5' for 40M. I normally run with nine ribbons both

portable and at home and the same dimension for all bands. This is a reasonable compromise between performance and convenience.

I've also been advised the original SLV resonates around 5 MHz but have never confirmed that with test equipment. However, since the antenna is resonated remotely between 10M and 40M with a tuner, it is not significant.

The available mechanical length is more than sufficient for 40M.

The 66' mechanical length for the radiator was an accidental dimension. It's the sum of the self-spacing coil (using light-duty Radio Shack twinlead) on the base of the SD-20 pole, and the upper wire radiator. Nothing mysterious about it! A manifestation of the more-is-better theory, I suppose. <g>

I retired the original SLV several years ago in favor of a modified St. Louis Express portable vertical. The SLX uses a remotely tuned loaded ribbon cable radiator instead of the base loaded coil. It my portable vertical of choice these days for 10-40M and I run it at home as well. It is also my favorite milliwatting antenna.

A couple of winters ago, I worked fifty countries on 40M with the SLX running 5W or less. Then I collected fifty countries on 20M running 2W or less, using a half-size version of the same radiator (the St. Louis Quickie). I believe the performance of the 1/8th wave ribbon radials had a lot to do with the favorable results of those experiments, but that's only

my opinion.

One of these days, I'm going to do a follow-up piece on the original SLV.

There is variation that has not been published. It uses a modified mounting base from the Vern Wright's SLV/W6MMA, the special feedpoint disk from the St. Louis Express and those 8th wave ribbon radials. For truly portable vertical antennas this version continues as one of the most convenient designs out there.

The 8th wave radial configuration was suggested to me by KK6MC/5, Jim Duffey, a.k.a. "Dr. Megacycle". You will find several interesting, informative and authoritative posts by him on this subject in the QRP-L archives.

I'll try the "fifty-on-forty" exercise with the modified SLV too. Many folks seem to measure antenna potential based on the number of countries worked. That kind of ignores the ragchewers and other operator interests but I expect you get the picture.

Good luck Mike. E-mail if I can help you get that SLV optimized for Bumblebee duty. I could use WY for W.A.S. at 250 mW! <g>

Regards,

de Dave, NF0R nf0r@slacc.com

Date: Mon, 8 Jul 2002 06:04:16 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Steve Lawrence <Steve.Lawrence@ITWFEG.COM>
Cc: qrp-l@lehigh.edu
Subject: [129370] Re: End fed wire
Message-ID: <Pine.LNX.4.44.0207080544030.1678-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 7 Jul 2002, Steve Lawrence wrote:

> Karl,
> I've read, and re-read Alan Chester's (G3CCB) (SK) article "Taming the
> End-Fed Antenna" which appears on page 118 of "The "Antenna File"
> published by RSGB, with great interest. Mr. Chester rationalized that
> there might be some "friendly" length of wire usable for an end-fed
> antenna, that doesn't present a tough-to-tune, high impedance load on a
> selected set of bands. The undesirable high impedance situation arises
> when the wire length approaches 1/2 wavelength (or multiple of) on the
> frequency in question. He concludes a length of 1/8 - 3/8 wavelength or
> 5/8 - 7/8 wavelength (or multiples thereof) represents the desirable
> target lengths to reduce the impedance, and therefore the problem of
> devising a suitable match.

This is the same problem that drove the NEC simulators to try antenna
lengths that were NOT resonant at any Ham bands.

>
> >From this information, Mr. Chester proceeds to plot the length of wire,
> staying away from 3/8 - 5/8 wavelengths (and multiples thereof) on the
> bands 160 - 10m. From this plot, several end-fed wire lengths are chosen:
> 26.5m, 15.0m, and 10.0m. These lengths are analyzed in further detail.
> In brief, he concludes the 26.5m wire would be suitable for 160 - 10m

I got my calculator out and if a Meter is about 39 inches, 26.5m
is about 86 feet...

; the
> 15m length for 80, 40, 20, 17, 15, 12, 10; and the 10m length for 80, 40,
> 30, 17, 15, 12, 10.

>
> While I haven't taken his conclusions into the field (this is on my "to
> do" list for future portable antenna experiments), his thinking seems
> rational. He also addresses the resulting match situation with these
> chosen wire lengths. Please check out the article for all the details.
>

I don't have that article but I do have a web page that provides
design with an 88 foot center fed zepp antenna. Also have an old ARRL
antenna book and it also has a section on taming the fed point of a zepp
antenna.

The same considerations are present with an end fed antenna just
like they are with center fed systems. You don't want 1/2 or 1/4
wavelength long wires to match. The 86 to 88 foot length of wire was

found to do this on all Ham bands from 160-10 meters.

> I would be interested in your (or anyone's) experience in testing Mr.
> Chester's end-fed wires.
>

I need a little time to evaluate the current 88 foot antenna now up and in use. My Home conditions don't favor an end fed antenna. But with 6 trees, a power pole and a 60 foot tower something must work.

> 73,
> Steve
> AA8AF

>
>
>
>
>
>
> "Karl F. Larsen" <k5di@zianet.com>
> Sent by: owner-qrp-1@Lehigh.EDU
> 06/29/2002 05:11 PM
> Please respond to k5di

>
>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> cc:
> Subject: End fed wire

>
>
>
> I started out as a kid with a war surplus mast on the
> roof of my
> parents home. I fed a wire running between this mast and a distant
> telephone pole with 600 ohm feed line. The feedline went to a antenna
> tuner which was a plug-in coil across a dual gang capacitor. The
> transmitter was coupled by swinging coil at the center of the plug-in
> coil and the 600 ohm line was tapped onto the plug-in coil.

>
> I had coils for 80,40, 20,15 and 10 meters. With some
> difficulty
> I was able to load my 1000 watt CW signal on every band to about 1000
> watts input power. On some bands I could draw a 3 inch arc from the
> tuner with a pencil. Others it was not hot at all.

>
> Reading my old ARRL Antenna Book, it says this antenna
> will work

> fine IF the feedline and the antenna are 1/2 wavelength long. I'm
> certain the feedline and antenna were never exactly 1/2 wavelength long
> but the antenna seemed to work fine. Was this because of the high power?
> Or does this antenna really radiate well?

>

> I want to try the intentional none resonant 44 foot
> antenna fed
> with a random length of 300 ohm at the end of the antenna. I have
> finished my QRP tuner with a 1:1 balun input and it works fine with my
> FT-817 which has a built in SWR meter. My center fed dipole with 450 ohm
> line tuned up on 7.240 MHz with this tuner.

>

> Do you have any data on using a end fed wire on all
> bands? Sure
> like to hear your results.

>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Mon, 8 Jul 2002 07:57:55 -0400
From: "G. Brandon Hoyt" <preacher102677@juno.com>
To: qrp-l@lehigh.edu
Subject: [129371] Re: Need help with SLV Antenna
Message-ID: <20020708.075756.504.0.preacher102677@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Speaking of SLV's

Anyone know where I can aquire, or how I can build the coil? I
have everything but the coil, I believe it was pilfered from me.

LIC,

G. Brandon Hoyt "Known far and Wide as the Great Pumpkin"
Philosopher, Photographer, Preacher, Pirate, Poet.
DE KG4GVL Clear

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Date: Mon, 08 Jul 2002 08:19:23 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [129372] Re: New Kit soon - the Rock-Mite
Message-ID: <5.1.0.14.1.20020708081441.00b30d90@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>It's actually 2" x 2.5" - Altoids-compatible:-)
>
> I can't reveal how I make it look smaller- that's a trade secret <g>.

Dave,

Where I went to college the Forestry program ran a small sawmill, and one of their products was a 13-inch ruler.

It was fun to loan it to somebody who was measuring to see if their desk would fit into a new cubicle. Or measuring floor tiles (which was the standard unit of measure for cubicle space) to see if they were accurate. Nobody ever bothered to look at the 13 at the end of the ruler.

Dave

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton

Dave Hinerman
WD8CIV@att.net

Date: Mon, 08 Jul 2002 06:27:50 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-1@lehigh.edu>
Subject: [129373] Re: Real Antenna
Message-ID: <B94EE165.18B4A%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Mike - Jim is doing the right thing wiht the 1:1 balun. A 4:1 balun would reduce the low impedance seen on several bands even lower and make the matching more difficult and lossy. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Mon, 8 Jul 2002 07:29:42 -0500 (CDT)
From: psykey@okcforum.org (Jim Glover)
To: WE7X@aol.com
Cc: qrp-l@lehigh.edu
Subject: [129374] Re: YABQ (Yet Another Battery Question)
Message-ID: <20020708122942.D0F3D883F@okcforum.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rod, WE7X (WE7X@aol.com) offered some interesting comments via private email in response to my recent post about protecting one's power supply with relays, and closed with the following request:

> Let us know what you finally decide is the best plan for your system.

I was only thinking out loud, actually. My system is a 28 AH SLA charged by a dirt cheap homebrew power supply cobbled together out of an old wall wart putting out a nominal 13 VAC (a little higher, actually), an LM-317 with a heat sink, a bridge rectifier, a big cap, and a couple of resistors. I consider the whole setup close to ideal... the charger/PS seems to be able to deliver just over an amp (LM-317 rated for 2A when heat-sinked, if I recall correctly) which is enough to slowly charge the battery. One of my resistors is a variable, with which I adjust the float voltage to 13.45 VDC. Everything seems to automatically work the way I'd expect it to--when AC power is present, the battery is charging/floating; when AC power is absent, everything runs off the battery just fine, and the LM-317's heat sink stays as cool as a cucumber. Once in a blue moon, the PS does not restart when AC power is restored (I have no idea what that's about) so I check the system voltage as soon as convenient after any power failure. (I always know when the power fails, because my computer's PS is very touchy--seems to have well under a second of reserve.)

The homebrew PS is built in a plastic electrical utility box like a light switch would go into, less than a buck at Wal-Mart, with an old credit card for a circuit board. I worry little about the prospect of

replacing it if it ever fails. It lives up to my favorite phonetics for my callsign suffix... Ugly Duckling Engineering.

I can't say I'd recommend others duplicate my set-up, but that's only because it doesn't seem politically correct. It fits beautifully into my cheap KISS station philosophy, however, and works great for me!

73,
Jim WB5UDE

Date: Mon, 08 Jul 2002 08:28:32 -0400
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129375] RE: Real Antenna
Message-ID: <3D294D30.18013.E099675@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 8 Jul 2002 at 20:09, Nick Kennedy wrote:

> John, are you saying that only the side of the antenna connected to 'hot'
> is carrying current? I don't think the effect will be nearly that drastic.
> Yes, you greatly increase your potential for unbalanced feeder current
> doing it like this, but it's still operating as a dipole.
>
> 72--Nick, WA5BDU

>From the description, there IS no feeder. One side of antenna connected directly to BNC on K2, other side to ground.

--

/ \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
/ _/_ _/_ _/_ _/_ ARCI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Mon, 08 Jul 2002 06:34:09 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <Steve.Lawrence@itwfeg.com>, qrp-l <qrp-l@lehigh.edu>
Subject: [129376] Re: End fed wire

Message-ID: <B94EE2D3.18B4B%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Steve - There are pluses and minuses for any given length of end fed wire. I don't believe that multiples of a halfwave are any harder to deal with than those with multiples of a quarter wave. In any case, there is no specific requirement that an end fed wire be resonant at all, and usually people who use end fed wires use whatever length goes from the shack to the far support.

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Sun, 07 Jul 2002 13:38:41 -0700
From: Randy Foltz <rfoltz@turbonet.com>
To: qrp1_post <qrp-1@lehigh.edu>
Subject: [129377] QRP ARCI Summer Homebrew Sprint
Message-ID: <3D28A6D1.9409D25E@turbonet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Following right on the heels of the IARU/WRTC and the FISTS contests, will be the QRP ARCI Summer Homebrew Sprint. In this Sprint, held from 2000 Z to 2400 Z July 14, you can earn bonus points for using rigs that you built yourself. A nice 5000 bonus points PER BAND are available for using a transceiver that you built or 2000 PER BAND for a receiver or 3000 PER BAND for a transmitter.

So after you've used the IARU/WRTC and the FISTS contests as a warm up, slide over to the QRP frequencies and take part in the Summer Homebrew Sprint.

After the contest send your claimed score by using <http://personal.palouse.net/rfoltz/arc/arcisum.htm> Check the web page for 2 weeks after the contest to see what others have said and claimed as their scores.

Here are the contest details: (also at <http://personal.palouse.net/rfoltz/arc/sumhom.htm>)

Date/Time: July 14, 2002, 2000 Z to 2400 Z, CW HF only

Exchange:

Member - RST, State/Province/Country (SPC), ARCI number

Non-member - RST, SPC, power out

QSO Points:

Member = 5 points

Non-member, different continent = 4 points

Non-member, same continent = 2 points

Multiplier:

SPC total for all bands. The same station may be worked on more than one band for QSO points and SPC credit

Power Multiplier:

0-250 mW = x 15

more than 250 to 1 W = x 10

more than 1 W to 5 W = x 7

over 5 W = x 1

Bonus Points: For homebrew gear (per band) add 2,000 points for using HB transmitter, add 3,000 for using HB receiver, or add 5,000 for using HB transceiver. If YOU built it, it is homebrew!

Suggested Frequencies are the usual QRP ones.

Score:

Points (total for all bands) x SPCs (total for all bands)
x Power Multiplier + Bonus Points (total for all bands).

Entry may be All-band, Single-, High-, or Low-band. Entry includes a copy of logs and a summary sheet and must be sent to me by e-mail or regular mail with 30 days of the contest date. Highest power will determine the power multiplier.

--

73,

Randy, K7TQ

Moscow, ID

QRP ARCI Contest Chairman

Date: Mon, 08 Jul 2002 06:30:51 -0700

From: Phil Wheeler <w7ox@earthlink.net>

To: nn1g@earthlink.net

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [129378] Re: New Kit soon - the Rock-Mite

Message-ID: <3D29940B.2030200@earthlink.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=windows-1252; format=flowed

Content-Transfer-Encoding: 7bit

Dave Benson wrote:

>Dave-
>
>It's actually 2" x 2.5" - Altoids-compatible:-)
>
>
>

Actually. "Altoids-compatible" is becoming potentially misleading -- so it is good to have the dimensions.

Recently I've seen some really large Altoids tins and (I think it was an Altoids product), a really small one.

73, Phil

Date: Mon, 8 Jul 2002 07:36:37 -0600
From: "Rod NORC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [129379] Waiting for Godot/ LobsterCon Redux
Message-ID: <009e01c22684\$7c2763d0\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

LobsterCon reports sure raised a few eyebrows.

Now the hard part waiting, waiting for Rock-mites, waiting for SofDSWs.

In the meantime...Did anybody get pictures of these "SmallWonders" that they can share with the less fortunate who couldn't make the event?

73, Rod NORC ...waiting impatiently for ordering instructions...

Date: Mon, 8 Jul 2002 09:40:57 EDT
From: K5BDZ@aol.com
To: csturner@slonet.org, tentec@contesting.com, qrp-l@lehigh.edu,
hqrp@stevens.com, GQRP@yahoo.com
Subject: [129380] Changing BW on TenTec filters
Message-ID: <29.29bcded4.2a5af069@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Changing the bandwidth on TenTec crystal filters (and other "open" crystal filters) quite often can be easily accomplished by just changing the values of the capacitors in the filter, and re-peaking the IF circuits on either side of the filter. Short of exact formulas, noting the existing cap values and experimenting with other "approximate formula" value ranges by carefully desoldering old and replacing with new caps can yield great results.

Please note that if LARGE bandwidth changes occur (CW to wide SSB etc) the filter input and output impedences will change, but if you simple want to change from a SSB 2.2 kHz +/- .4 kHz or similar CW freq., the changes should be close enough not to realistically cause problems when peaked.

I have done this in the past (very successfully) but it's been 15 years or so, and I don't have my notes anymore. If anyone chooses to "computer model" the various bandwidth cap values for these 9 MHz xtal filters and place the findings on the www - I'm sure a huge audience would be grateful.

Thanks

Bill K5BDZ

Date: Mon, 08 Jul 2002 09:36:01 -0500
From: Don <dwitttlic@apci.net>
To: skydive@usa.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129381] Re: Working with 450 Ladder line?
Message-ID: <3D29A351.3C6E4DC4@APCI.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob and group:

Just a hint. The easiest installation is often one with the feedline supported at a minimum number of points and

either tensioned or allowed to droop naturally.

In such installations where the feedline had to follow a less straight path, I tied some 60 # test monofilament fishing line between some stationary point and one or two points on the feedline and was able to pull the feedline into a gentle curve, thus avoiding obstacles, avoiding abrupt changes of direction, and maintaining a decent appearance.

72,

Don WN9V

BOB MASON wrote:

>

> I'm getting ready to move to a new QTH and planning the antennas to go up
> after the move. Have a couple multiband experiments in mind and plan on
> feeding them with 450 ladder. I have never worked with ladder line before so
> have a couple questions.....

>

> 72

> Bob WB8CAC

> <http://www.runswithscissors.us>

Date: Mon, 08 Jul 2002 09:35:11 -0500

From: Richard Clem <clem.law@usa.net>

To: <qrp-l@lehigh.edu>

Subject: [129382] Nigerian Scam comes to QRP-L

Message-ID: <20020708143511.22345.qmail@uwdvg008.cms.usa.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: quoted-printable

I think everyone on this list is smart enough not to fall for this, but just
in case.....

I received the following e-mail, and I must have been one of the "BCC's",=

because the only other "TO" address I happened to recognize as a member of
this list. Therefore, I assume someone harvested some addresses from an
archive of this list. This is a variation of the "Nigerian Scam Letter" =
which
appears to have now mutated into the "Tanzanian/South African Scam" letter.
r.

If you also got such an e-mail, don't start spending your 20% of the \$35.=
5M
just yet.

I get the daily digest of QRP-L, so my apologies if this is a duplicate
warning. You may now resume normal QRP discussions.

73,
Rick W0IS

Sir,

Compliments of the season.

I am Paul Nyerere from the Republic of Tanzania. I am
the fourth son of Late President of Tanzania, Julius
Nyerere who died in October 1999.

My father when he was alive used his position to make
for us some future. He managed to transfer and deposit
as a valuable item the sum of US\$35.5M (Thirty Five
Million, Five Hundred Thousand Dollar) in a security
company at Johannesburg, South Africa. He left in a
"Will" that when he is no more alive, I should arrange
with a foreign partner to transfer the fund to overseas
for investment so as to take care of our family.

Now that my father has died, I managed to escape into
South Africa as a refugee with all the title documents
to the deposit to enable us move the fund to overseas
country for an investment.

My aim of contacting you is to assist me for the
transfer of the sum into your personal account over
there for an investment. This is because as a refugee
here, I have got limited rights in opening account for
the transfer of the fund.

If you wish to assist, you could reach me on my
cellphone: +27-73-248-3320 for further clarifications.
You can as well send me an urgent email indicating
your interest to assist so that we discuss in detail.
I have agreed to compensate you with 20% from the
total sum for your assistance.

Looking forward to your favourable reply.

Kind regards,

Paul Nyerere

Date: Mon, 8 Jul 2002 15:25:20 +0100
From: "Leon Heller" <leon_heller@hotmail.com>
To: "Low Power" <qrp-l@lehigh.edu>
Subject: [129383] Virtual Morse key
Message-ID: <DAV45iZwW4twm0eRTNy0000701e@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I mentioned this idea a couple of weeks ago. I've now got a couple of ADXL202JE accelerometer samples, thanks to ADI, and have put one of them on a little SM PCB (0.800" by 0.775") that could be attached to a finger, and powered it with about 3V from a couple of AAA cells. I've checked the X and Y outputs with a scope whilst waving it around, and it's working OK, with the two pulse stream duty cycles varying as the acceleration changes.

The PCB could be made very much smaller, possibly the same area as the accelerometer chip itself (5 mm sq.), with hybrid construction techniques, for use in virtual reality applications. I wouldn't like to assemble it, my 60 year old eyes had enough trouble with the present version. 8-(

The next thing to be done is to interface it to one of my Atmel AVR prototyping systems and convert the pulse streams into numbers I can output to a PC via an RS-232 link. Recognising dots and dashes shouldn't be too hard, as people are using them for gesture recognition, such as ASL, which is much more complex. Some form of 'finger spelling', like the Graffiti system used in the Palm PDAs, might be feasible, with a single unit. It could make an interesting peripheral for my Palm IIIx, although I'd probably get some funny looks whilst waving one of my hands around to create the characters.

These chips should be quite cheap as they are used in millions by car manufacturers for air-bag systems. Because of this they should also be very reliable and robust.

I can make the schematic and PCB details available to anyone else who is interested in playing with these things. ADI has lots of applications info. here:

<http://www.analog.com/technology/mems/accelerometers/library.html>

73, Leon

--

Leon Heller, G1HSM
leon_heller@hotmail.com
http://www.geocities.com/leon_heller

Date: Mon, 8 Jul 2002 09:09:03 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "James R. Duffey" <jamesd1@flash.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [129384] Re: End fed wire
Message-ID: <Pine.LNX.4.44.0207080904090.2475-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

James there are at least 2 very different end fed antenna now. One is a coax fed device that's a 1/2 wave long single band. The secret must be a toroidal coil stepup transformer or equivalent. The other is a multiband 80 through 10 meters that is 88 feet long, end fed with 300 or 450 ohm ribbon, to near the station, a balun and then coax to a tuner.

I like the all band job.

On Mon, 8 Jul 2002, James R. Duffey wrote:

> Steve - There are pluses and minuses for any given length of end fed wire. I
> don't believe that multiples of a halfwave are any harder to deal with than
> those with multiples of a quarter wave. In any case, there is no specific
> requirement that an end fed wire be resonant at all, and usually people who
> use end fed wires use whatever length goes from the shack to the far
> support.
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Mon, 08 Jul 2002 10:06:36 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>

To: leon_heller@hotmail.com,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [129385] Re: Virtual Morse key
Message-ID: <008701c22691\$0e4f8100\$6501a8c0@lwrnce01.in.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

I also HIGHLY recommend the Evaluation Board (ADXL202EB). That little chip is VERY tiny and the Eval Board brings them out to a standard header which makes it a LOT easier to "play" with. I use these on all my robots for tilt and acceleration sensors so when one of the wheeled bots starts climbing up a wall while going down a hall way it knows it. For \$29.95 you can't beat it. However... if you don't want to get the eval board... I have used wire wrap wire and carefully soldered "leads" to the chip (using a 10X loupe) and then soldered the wires into a 8-pin DIP socket. I have also completely freeformed one as well. They are LOTS of fun and VERY easy to use. I have BASIC Stamp 2 code available if anyone is interested.

Image of the ADXL202E chip (It's the tiny one.)
http://www.analog.com/productSelection/images/ADXL202E_cerpak_vs_penny.jpg

Here's a link to the Evaluation Board datasheet:
<http://www.analog.com/techSupport/designTools/evaluationBoards/downloads/ADXL202EB.pdf>

Enjoy!
73/72/71! de Brice KA8MAV

----- Original Message -----

From: "Leon Heller" <leon_heller@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, July 08, 2002 9:25 AM
Subject: Virtual Morse key

> I mentioned this idea a couple of weeks ago. I've now got a couple of
> ADXL202JE accelerometer samples, thanks to ADI, and have put one of them
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>
> 73, Leon
> --
> Leon Heller, G1HSM
> leon_heller@hotmail.com
> http://www.geocities.com/leon_heller
>

Date: Mon, 08 Jul 2002 11:07:45 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [129386] Re: Virtual Morse key
Message-ID: <5.1.0.14.1.20020708105415.00a5a590@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>The next thing to be done is to interface it to one of my Atmel AVR

>prototyping systems and convert the pulse streams into numbers I can output
>to a PC via an RS-232 link.

Leon,

Have you considered making a virtual mouse? The PS/2 mouse/keyboard protocol is designed to transmit X displacement, Y displacement, and -button status-. I'm pretty sure I saw a keyer program that uses two mouse buttons as dit and dah switches.

> Recognising dots and dashes shouldn't be too
>hard, as people are using them for gesture recognition, such as ASL, which
>is much more complex.

Makes the virtual transceiver sound even more virtual - an array of sensors in a glove could detect knob adjustment motions...

> Some form of 'finger spelling', like the Graffiti
>system used in the Palm PDAs, might be feasible, with a single unit. It
>could make an interesting peripheral for my Palm IIIx, although I'd probably
>get some funny looks whilst waving one of my hands around to create the
>characters.

Just mumble while you use it - people will think you're just having a conversation with an imaginary friend. (Unless you're used to the funny looks you'd get from using a headset with a handheld radio.)

I'm curious to find out how the virtual keyer works out. I like being able to touch something physical when using my hands, but then I don't do much Morse sending either. I had toyed with the idea of a pair of touch-sensitive fittings for the thumb and index finger that could be tapped against any convenient structure (say, a coffee cup handle), but your idea eliminates the need for the coffee cup. (At least for sending.)

Let us know how that works out!

Dave

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Mon, 8 Jul 2002 08:54:44 -0400
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [129387] The Reproducible Experiment Rule
Message-ID: <20020708.112204.-227387.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

In addition to having discovered the SG2020's tendency toward squirrely output at low power out (<5W &c) through tuner-moderated antoonas, I also began to wonder about the bias settings of the output PA & other such sources of trouble.

So I tried the old scientific method thingie about reproducing experiments. Not at the beach this time, but with wires stretched across the bedroom & hallway floors (2nd storey), I found that 40m & 30m would act weird as they did at the beach. So I fiddled with the little pot that sets the PA bias. (Once I found the least squirrely setting [and there definitely is one], I left the pot where it be.) I noted some changes but was not able to completely eliminate the problem.

What problem? Well, at a power setting of 5W the output would be such that I couldn't exactly null out any SWR readings on, say, 40m. After I null out the SWR as best I can, I then run the output to 10W. At which point the SWR would drop to 1:1. Turning the knobs of the tuner off that point would cause the SWR to rise but I could reset (on some bands) the previous lower setting. On 17m this was not possible & the SWR would rise & I'd have to go through another method of setting the SWR lower.

What other method? Well, truth be told, I'd tune for maximum receive signal . . . at which point the SWR would be sufficiently low (at 10W output) to set my mind (what's left of it at this point) to ease.

So two things come to mind:

1. The linearity of the PA is not all that linear & worse yet is band sensitive (which points to a remembered fix on another radio).
2. The squirrelliness of the PA appears to be power sensitive AND sensitive to the settings of the bias pot.

Maybe that's three things. Anyway . . .

Those who have owned or worked on TR7s may remember the PA squirrel fix that involved putting a swamping resistor across one of the PA

transformers to "detune" whatever wierd inductance there was causing squirrely PA problems. Perhaps such a fix might work here.

And those who complained in reviews about the FT817 having a power limit of 5W should cool their jets. (Someone noted in an on-line review that Yaesu might want to look at the SG2020 to steal the idea of getting 25W out of the minimal components in that radio . . . Under the circumstances of my experience, that's close to stupid. The FT817 sells as a 5W radio, not a 25W radio, so if you get one of them, you got what you wanted. If you wanted 25W from a small radio, spend for the FT100D & turn it down . . . which is another digression entirely.)

So what to do? Well, me, I'm about 95% finished with building things & surely 100% finished with modifyin' things. So the '2020 stays as it is, modified as far as I a dare even consider in my least lucid moments have modified it.

The only evidence I have against the problem being in the '2020 is the fact that this happens with the Z-match sittin' at the end of a 1 ft chunk of RG58 and all the antennas close to the radio. And on a power supply (I ain't tried this experiments on a battery). Same story with the LDG Z-11 hosed up in similar manner. But when I have the radio hosed up to the pile of switches & one SWR (Stockton) meter, with the antenna at the end of a 75 ft 50 Ohm Ethernet hose connected to an SG239 auto ATU, the problem he no got.

Life just get curiouuser & curiouuser.

73

Nils

Nils R. Bull Young -- W8IJN -- La Estancia de los Guajolotes Sonrientes
<http://w8ijn.tripod.com> -- <http://members.fortunecity.com/nilsbull>
"The island is closer than your memories are." -- Ian G. Bull Young, 15 Feb 2002

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<http://dl.www.juno.com/get/web/>.

Date: Mon, 8 Jul 2002 11:36:03 -0400

From: "Steve Lawrence" <Steve.Lawrence@itwfeg.com>

To: leon_heller@hotmail.com

Cc: qrp-1@lehigh.edu
Subject: [129388] Re: Virtual Morse key
Message-ID: <0F96B7DB5F.2C448BA6-0N85256BF0.00554F37-85256BF0.0055B27F@itwfeg.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dear Leon,
I've read about several related technologies in development for the
computer keyboard industry:

<http://www.senseboard.com/>
http://www.ananova.com/news/story/sm_548253.html?menu=news.technology
http://www.virtualdevices.net/press_release.htm
<http://www-bsac.eecs.berkeley.edu/~shollar/fingeracc/fingeracc.html>

I don't know if these offer any ideas... You are embarking on an
interesting project.

Steve
aa8af

Date: Mon, 8 Jul 2002 09:53:52 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-1@lehigh.edu>
Subject: [129389] Glacier/Waterton Hamfest QRP Get-together
Message-ID: <Pine.LNX.4.33.0207080944420.28068-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I've received no reply to my earlier request so I will try again...I would
like to run a session on adjusting the K2 filters using Spectrogram...I
can bring a K2 but I don't have a small computer (laptop) to bring for
this demonstration...so I'm asking if you are planning to attend the QRP
Get-together if you would have a laptop or a computer that could be
brought to the tent and used for this purpose...we will have electricity
in the tent...and of course have Spectrogram loaded on the computer...

Our Saskatchewan provincial hamfest ran this past weekend and was an
enjoyable three days...we did some things right and some things wrong so
we're having a review meeting this coming Monday...I gave a QRP seminar
and it went well with good attendance...the K2 was just like honey to the
bears as they couldn't get enough of it...hihi....thank you...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272

A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Mon, 8 Jul 2002 09:34:25 -0700 (PDT)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [129390] QRP Plus and MFJ DSP unit for sale cheap!
Message-ID: <20020708163425.72728.qmail@web20412.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Well going with the combo idea didn't work so I'm going to drop the prices on the two units.

QRP Plus \$250 (a great price) only problem is that you have to hold down the memory button when you turn it on. Works great other wise.

MFJ DSP unit \$100 (new \$220)

Want to get a new rig so that's the reason for selling them.

73!

Jeff

=====
AB6MB
NorCal QRP Club #65, QRP-L #1780, ARCI 10071
Radical FIST Member 6798, Fanatic A's fan #1

Do You Yahoo!?
Sign up for SBC Yahoo! Dial - First Month Free
<http://sbc.yahoo.com>

Date: Mon, 08 Jul 2002 12:10:13 -0500
From: "George, W5YR" <w5yr@att.net>
To: jamesd1@flash.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129391] Re: End fed wire
Message-ID: <3D29C775.EF310349@att.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

An excellent real-world demonstration where ignorance is not only bliss,
but effective!

73/72/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

"James R. Duffey" wrote:

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> Steve - There are pluses and minuses for any given length of end fed wire. I
> odn't believe that multiples of a halfwave are any harder to deal with than
> those with multiples of a quarter wave. In any case, there is no specific
> requirement that an end fed wire be resonant at all, and usually people who
> use end fed wires use whatever length goes from the shack to the far
> support.

Date: Mon, 08 Jul 2002 17:08:24 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: Steve.Lawrence@ITWFEG.COM
Cc: qrp-l@lehigh.edu
Subject: [129392] Re: Virtual Morse key
Message-ID: <F73st1pBQXQ0ReaANVg00009ab2@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
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>CC: qrp-l@Lehigh.EDU
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>Dear Leon,
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>http://www.ananova.com/news/story/sm_548253.html?menu=news.technology
>http://www.virtualdevices.net/press_release.htm
><http://www-bsac.eecs.berkeley.edu/~shollar/fingeracc/fingeracc.html>
>

Thanks. I knew about the last link. That's what gave me the idea. Details of the project so far are here:

<http://www.leonheller.com/accel.html>

I'll be updating it as the project progresses.

Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

My low-cost Altera Flex design kit: <http://www.leonheller.com>

MSN Photos is the easiest way to share and print your photos:
<http://photos.msn.com/support/worldwide.aspx>

Date: Mon, 8 Jul 2002 10:29:53 -0700
From: Conrad Weiss <radman@best.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [129393] RS goes "Back to Batteries" ...
Message-ID: <01C2266A.6686E2E0@209-162-48-220.thegrid.net>

Gang,

It's no revelation to the hard core home-brew contingent of QRP-L, that Radio Shack Corp (RS) has lost its focus. Over the course of the past decade, RS has peppered its stores with big-screen TVs, car stereos, security systems, computer software and WinTel desktops. It worked, but then it didn't work.

They've partnered with RCA, Compaq, Sprint and Verizon Wireless. The results are now lukewarm, with a flat fiscal year 2001 - well into 2002. So what's to do?

Radio Shack Chairman and CEO, Len Roberts performed the autopsy and told the Wall Street Journal, "We became nothing more than a small generalist...For us to be a generalist, we'd get eaten alive." So what's next?

The new RS battle cry is "B2B" - not 'Biz-to-Biz' - "Back to Batteries!"

This year, RS will spend about \$40M on a battery "retrofest" - taking the vest-pocket neighborhood stores back to their roots, sporting zippy new carousel merchandising, spiffy new wall colors and even natural wood upscale flooring. Gone are the coffee-stained gray carpets, and all of the slow-selling big box computer/TV/stereo product. Replacement: batteries galore!

In a recent Wall Street Journal feature article, author Elliot Spagat tells us, stores will feature "...battery carousels at the main entrance. Instead of wall pegs, a giant tool chest will house about 1,000 fuses, bulbs, transistors and other parts."

What remains unclear in the RS "retro-vision" is the future of components; the NPNs, toggle switches and 78L05s. The parts we - of QRP-L -- need. Will RS simply toss them into the big ol' "pirate chest" along with 1,000 Zinc-Air hearing aid batteries, blade fuses and mono-to-stereo adapters? Or will they heave them into the dumpster and simply abandon their true roots. No one is talking to the Wall Street Journal about that one.

Analysts agree that one thing is abundantly clear. RS now has very serious competition in the battery business. Wal-Mart Stores Inc has private label batteries targeting RS. Batteries Plus Inc wants a piece of the market. Interstate Batteries of America now carries over 1,300 batteries in 55 outlets. And Costco Inc is targeting commodity alkaline batteries. The sharks are in the water. How will it play out for RS?

Quoting David Goldstein, president of Channel Marketing Corp in Dallas - upon his less than favorable shopping trip to RS for replacement camera batteries, "RadioShack just isn't that good at selling that many products. They should focus on the widgets that got them where they are now."

Exactly! On that note, I'll wager that QRP-L is in agreement with Mr. Goldstein. The "widgets" are really the key. They include RS components, project boxes and all of the backbone product that that fuels QRP-L projects, science fair endeavors, midnight robotics and so many others. How will it play out?

All we can do is pray that RS reads the Wall Street Journal and QRP-L ;)!

Time will tell. But it won't take long...;)

Best,

Conrad Weiss

NN6CW (if you find a 2N2222 in the pirate chest ... could you save one

for me?)

Date: Mon, 08 Jul 2002 13:52:01 -0400
From: "Randy Randall" <randallr@healthall.com>
To: <qrp-l@lehigh.edu>
Subject: [129394] Re: RS goes "Back to Batteries" ...
Message-ID: <sd299908.039@jhs_izar.healthall.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Problem is even when RS was at their best they were not THAT good and in todays market selling 2n2222's and the like just will not be as profitable as in the past. Sad but true we on QRP-L are a rare breed. We repair and build. Not many do that anymore.

Randy KB8ASO

>>> Conrad Weiss <radman@best.com> 07/08/02 13:30 PM >>>
Gang,

It's no revelation to the hard core home-brew contingent of QRP-L, that Radio Shack Corp (RS) has lost its focus. Over the course of the past decade, RS has peppered its stores with big-screen TVs, car stereos, security systems, computer software and WinTel desktops. It worked, but then it didn't work.

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Date: Mon, 8 Jul 2002 11:50:18 -0600
From: William R Colbert <w5xe@juno.com>
To: qrp-l@lehigh.edu
Subject: [129395] Re: Nigerian Scam comes to QRP-L
Message-ID: <20020708.115406.-378791.1.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You should forward that with its full header to
abuse @ whichever service it came from, with
an additional addressee of UCE@ftc.gov .
I have been forwarding a number of those as
well as the porno's to the abuse@hotmail.com
or abuse@yahoo.com and they keep sending
back that someone is pirating their account info
so are not able to do anything. So, keep forwarding
them to the above and maybe by some stroke
of luck someone will shut them down.

73
Ray

Date: Mon, 08 Jul 2002 14:05:16 -0400
From: "Mark J. Dulcey" <mark@buttery.org>
To: radman@best.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129396] Re: RS goes "Back to Batteries" ...

Message-ID: <3D29D45C.2050700@buttery.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

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> the NPNs, toggle switches and 78L05s. The parts we - of QRP-L -- need. Will
> RS simply toss them into the big ol' "pirate chest" along with 1,000
> Zinc-Air hearing aid batteries, blade fuses and mono-to-stereo adapters? Or
> will they heave them into the dumpster and simply abandon their true roots.
> No one is talking to the Wall Street Journal about that one.

I've been in one of the stores that has been converted to one of these "giant tool chests". It's not a pretty sight. The parts (complete with blister packs designed for the wall pegs) are shoved into slots of drawers that aren't quite large enough for them; the result is that they are hard to find and hard to get out of the drawers. A lot of the slots were empty, though that could have been because they were still in the process of converting to the new system. And the parts are just about invisible; unless you're looking for them, you'd never know that the store sells parts at all.

The problem of packages that don't want to come out of the drawers may be solved when Radio Shack produces new packages that are designed for them. But the invisibility will remain. I can't help thinking that it's a step along the path to eliminating parts altogether. On the other hand, they do take up less room in the store, which could possibly lead to an improved inventory (room for more parts without taking up too much precious store space) - but I'll believe it when I see it.

> NN6CW (if you find a 2N2222 in the pirate chest ... could you save one
> for me?)

I don't think Radio Shack has sold 2N2222s in their stores for years;
just MPS2222s (the plastic-package variant).

Date: Mon, 08 Jul 2002 11:10:42 -0400

From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [129397] Re: End fed wire
Message-ID: <3.0.6.32.20020708111042.007b0100@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>> 26.5m, 15.0m, and 10.0m. These lengths are analyzed in further detail.
>> In brief, he concludes the 26.5m wire would be suitable for 160 - 10m
>
> I got my calculator out and if a Meter is about 39 inches, 26.5m
>is about 86 feet...
>
Actually, closer to 87 feet (86.942257..), which happens to be pretty close
to the 85 feet the W3EDP end feed antenna uses. Coincidence or conspiracy?

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Mon, 8 Jul 2002 14:53:05 -0400 (EDT)
From: Chris Cartwright <ccart@phideaux.com>
To: QRPL List <qrp-l@lehigh.edu>
Subject: [129398] Hustler 5BTV setup dimensions?
Message-ID: <Pine.LNX.4.33.0207081441370.3624-1000000@dns.phideaux.com.>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Anyone have the setup dimensions (or instructions) for the 5BTV? I asked
the same thing from the list six years ago, and ended up with a copy of
the manual. When I moved two years ago the manual was apparently
sacrificed to the moving gods. Text description, scans, URL, whatever
would be helpful. Planted 32 of my 40 radials yesterday and would like to
tune it up. I can setup a fax on an 800# later tonight if need be.
Thanks,

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Mon, 8 Jul 2002 15:02:01 -0400
From: "Dennis Brickey" <n4dd@preferred.com>
To: <qrp-1@lehigh.edu>
Subject: [129399] FOX N4DD Final Fox Log
Message-ID: <000f01c226b1\$f56e2b20\$8df3e4ce@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The final fox log is listed below. Thanks again for the fun!!

Dennis

UTC CALL RST SPC NAME PWR

0201 K3IU 559 RI KEN 5W
0201 K5EOA 559 LA WAYNE 5W
0202 N0TK 559 CO DAN 5W
0203 W9HL 559 IL RANDY 5W
0203 W5YR 559 TX GEORGE 5W
0204 NM5M 559 TX ERIC 5W
0205 K5DW 559 TX DON 5W
0205 VA6RF 579 AB EARL 5W
0206 VE5RC 599 SK BRUCE 5W
0206 N9NE 579 WI TODD 100mw

0208 N3XRV 559 PA CHRIS 5W
0208 VE6EX 559 AB DAN 5W
0209 K5OI 559 OK TIM 5W
0211 W0CH 559 MO DAVE 5W
0212 NK6A 559 CA DON 5W
0213 WA9TZE 559 WI JIM 5W
0213 K0EVZ 569 ND DOC 5W
0215 W9UQB/7 559 AZ MIKE 5W
0215 N0UR 599 MN JIM 5W
0216 KB9YIG 589 IN TONY 500mw

0217 K5DI 589 NM KARL 5W
0218 W3CD 559 CA BOB 5W
0218 K8CV 559 MI WALT 5W
0219 WB8RCR 559 MI JOHN 3W
0221 K4FB 559 FL PAUL 5W
0221 NX8C 559 MI NEIL 5W
0222 K8HJ 559 MI JOHN 5W
0223 WE9K 559 WI GLENN 5W

0225 N1TP 559 FL TOM 5W
0225 K3ESE 559 MD LLOYD 5W

0226 VE6JAZ 579 AB ROB 5W
0227 KC1FB 559 CT JIM 1W
0228 N4ROA 559 VA DAN 5W
0229 K4BYF 559 FL JACK 5W
0232 KC5NT 599 TX ED 5W
0234 KI0II 559 NE RON 1W
0236 KD5AAD 599 TX MIKE 5W
0236 VE3FAL 599 ON FRED 5W
0239 NQ7K 559 AZ MIKE 5W
0241 AD6JV 559 CA BILL 5W

0242 K9IUA 559 IL KEVIN 5W
0242 WR50 559 TX DAVE 5W
0243 N0IT 559 MO DAVE 5W
0246 K5BGB 589 TX ROD 5W
0247 KF4VTM 559 VA DAN 5W
0248 W4NJK 559 CA CHARLIE 5W
0250 W6ABC 599 CA JACK 5W
0250 W9XU 599 WI LON 5W
0251 VE4WI 559 MB CRAIG 5W
0252 NK9G 599 WI RICK 5W

0254 K0FRP 579 CO AL 5W
0255 K9DI 449 IL WAYNE 5W
0259 K5SR 559 TX DALE 5W
0305 N5YFC 559 LA WAYNE 5W
0307 KD5KXF 559 TX MIKE 5W
0308 K5UNY 599 TX ALEX 5W
0310 WD5RS 559 TX RUSS 4W
0313 WB7AEI 449 WA PHIL 5W
0315 AC7A 559 AZ TOM 5W
0316 K7IE 579 OR CLAIR 5W

0317 N0RZ 559 KS CHAS 5W
0319 AB9CA 559 AL DAVE 5W
0321 WA8BXN 559 NY MIKE 5W
0323 N9WW 559 IL JIM 2W
0327 N5ZE 559 TX LEW 5W
0328 KG4FSN 559 FL JUAN 4W
0332 W9XU 559 WI LON 5W
0334 Y03BHJ 559 YO FLORIN 5W
0337 AJ4AY 559 AL JAY 4W
0340 AG0T 559 ND TODD 4W

0341 N5IB 559 LA JIM 5W

0352 W5TB 559 TX DOC 5W
0358 AA4LR 559 GA BILL 5W

N4DD FOX
N0RC FOX

Date: Mon, 8 Jul 2002 12:28:44 -0700
From: "Bill Jones" <kd7s@psnw.com>
To: <ccart@phideaux.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129400] Re: Hustler 5BTV setup dimensions?
Message-ID: <002601c226b5\$af3d6e50\$9110010a@fresno>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Chris,

I had the same situation with a 4BTV some time back. I e-mailed the factory (<http://www.new-tronics.com/main/html/service.html>) and received exceptional customer service. A very helpful lady FAXed me a copy of the manual almost immediately and followed up by mailing an original a day later. These people showed me they knew the meaning of customer service.

----- Original Message -----
From: "Chris Cartwright" <ccart@phideaux.com>

> Anyone have the setup dimensions (or instructions) for the 5BTV?

=====
Bill Jones - <><
Sanger, California
=====

Date: Mon, 08 Jul 2002 15:30:15 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [129401] Re: Hustler 5BTV setup dimensions?
Message-ID: <5.1.0.14.1.20020708152510.00a690e0@ipostoffice.worldnet.att.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 02:53 PM 7/8/2002 -0400, you wrote:

>Anyone have the setup dimensions (or instructions) for the 5BTV? I asked
>the same thing from the list six years ago, and ended up with a copy of
>the manual. When I moved two years ago the manual was apparently
>sacrificed to the moving gods. Text description, scans, URL, whatever
>would be helpful. Planted 32 of my 40 radials yesterday and would like to
>tune it up. I can setup a fax on an 800# later tonight if need be.
>Thanks,

Chris,

BAMA apparently has the instructions for the 4-BTV, which I believe (based on no solid facts whatsoever) is the same as the 5-BTV without the top (75/80M) resonator. Here's the link to it, although I can't get through at the moment:

<ftp://bama.sbc.edu/downloads/hustler/4btv/4-BTV.pdf>

According to the BAMA home page (<http://bama.sbc.edu>) it's tricky using a Web browser to get to the manual files on the site. You might try an FTP client instead.

I had given a 5-BTV to a friend some years ago. I just emailed him to see if he still has the instructions. If he comes up with them, I'll get a copy (probably a scan) to you.

Dave

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Mon, 8 Jul 2002 15:47:43 -0400
From: "jhecht@dnaco.net" <jhecht@dnaco.net>
To: qrp-l@lehigh.edu
Subject: [129402] Re: Hustler 5BTV setup dimensions?
Message-ID: <265000-22002718194743926@M2W045.mail2web.com>

MIME-Version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: quoted-printable

Chris,

I have the manual=2E The easiest thing will probably be for me to copy it=
for
you and drop it in the mail to you=2E I don't have a fax machine, or a
scanner,
so computer transmittal is probably a no go on this end=2E

Best 72=2E

Jeff - K8GD

mail2web - Check your email from the web at
<http://mail2web=2Ecom/> =2E

Date: Mon, 8 Jul 2002 16:17:45 -0400 (EDT)
From: Chris Cartwright <ccart@phideaux.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129403] THANKS: Hustler 5BTV setup dimensions?
Message-ID: <Pine.LNX.4.33.0207081613180.3624-1000000@dns.phideaux.com.>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 8 Jul 2002, Chris Cartwright wrote:
> Anyone have the setup dimensions (or instructions) for the 5BTV?

WD8CIV gets the gold star for this one;

<ftp://bama.sbc.edu/downloads/hustler/4btv/4-BTV.pdf>

Have it printed out, and I know what I'll be doing tonight :) Anyone who
needs it can contact me if they can't get it at the above site. I can
email/fax/postal mail/etc. Same great list six year later!

FWIW, it took six minutes longer than it did six years ago, so I guess
were all getting older and slower <grin>. Many thanks to all who
replied.

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Mon, 8 Jul 2002 15:15:32 -0500
From: "Tim, N9PUZ" <n9puz@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129404] Re: RS goes "Back to Batteries" ...
Message-ID: <200207082018.PAA22246@gallium.eosinc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

On Mon, 08 Jul 2002 13:52:01 -0400, Randy Randall wrote:
>Problem is even when RS was at their best they were not THAT=
good
>and in todays market selling 2n2222's and the like just will not=
be
>as profitable as in the past. Sad but true we on QRP-L are a=
rare
>breed. We repair and build. Not many do that anymore.

Sad as it may be I think the days of a local stocking electronics=
shop
is nearly over in most areas. The number of people who build,=
invent,
tinker, and repair is dwindling. The number and type of parts=
that
would have to be stocked is growing and the special handling=
needs of
many parts makes it impractical. I still spend money at Radio=
Shack but
I also find my personal inventory grow each time I have to order=
from
DigiKey, and others to meet minimums, etc.

Tim N9PUZ

Date: Mon, 08 Jul 2002 16:21:24 -0400
From: "Randy Randall" <randallr@healthall.com>

To: <qrp-l@lehigh.edu>
Subject: [129405] Re: OT-HyGain TapeTenna
Message-ID: <sd29bc1a.088@jhs_izar.healthall.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

It is a very convenient, EZ to set up dipole antenna. No more, no less.
73

Randy KB8ASO

>>> Fred Lesnick <flesnick@tbaytel.net> 07/06/02 10:56 AM >>>

Folks:

Wondering if any of you own one of those Hy Gain Tape-Tennas.

A local ham has one and is willing to sell the thing, but was wondering how well it worked, and if anyone remembers the price for these when they were new(many years ago)...I have done a number of searches about this item, but come up shy

Thought this antenna might be a great portable antenna for all bands, undo the thumbnail screws, pull out teh tape to the marked area, and away you go.....

Ok , back to making my antenna system for the July 28th Flight of the Bumblebees.....will be operating portable from a local hill top, one of The Three Sisters Mountain range, and VE3XT will also be operating from atop one of the sisters...

72

Fred

VE3FAL

BB 107

Date: Mon, 8 Jul 2002 13:28:04 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [129406] RE: RS goes "Back to Batteries" ...
Message-ID: <GNEOLGDJDOPEALHJMKLCMECOCGAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I think one of the big issues is the mail order businesses are really taking over as well. Digi-Mouser-Pasternack etc ...

Don't forget guys like Action Electronics and SkyCraft, they've got darn

near everything and I'm sure there are many more out there. Not to mention our own right here on this list!

Gone are the days of 'instant gratification' on getting parts.

Anyone compiling (compiled) a list, or know of a good online reference of the mail-order houses?

Tracy N4LGH

Sad as it may be I think the days of a local stocking electronics shop is nearly over in most areas. The number of people who build, invent, tinker, and repair is dwindling. The number and type of parts that would have to be stocked is growing and the special handling needs of many parts makes it impractical. I still spend money at Radio Shack but I also find my personal inventory grow each time I have to order from DigiKey, and others to meet minimums, etc.

Tim N9PUZ

Date: Mon, 08 Jul 2002 15:45:32 -0500
From: John Moore <jwm@hal-pc.org>
To: qrp-l@lehigh.edu
Subject: [129407] Re: Nigerian Scam comes to QRP-L
Message-ID: <3.0.6.32.20020708154532.0080f920@mail.hal-pc.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

On Mon Jul 08 2002 - 13:50 PM EDT,
William R Colbert <w5xe@juno.com>
posted to qrp-l:
>
> ... forward that with its full header to
> abuse @ whichever service it came from,
> with an additional addressee of UCE@ftc.gov ...

I have been reliably informed that the US
Secret Service is the proper authority to report
the 'Nigerian Scam's" to also. -- Try:

419.fcd@usss.treas.gov

YMMV -- it works for me.

72/73 de John Moore, KK5NU

eMail: jwm@hal-pc.org

www - <http://hal-pc.org/~jwm>

Date: Mon, 8 Jul 2002 16:11:29 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Brian Kassel" <bkassel@mato.com>, <qrp-1@lehigh.edu>
Subject: [129408] Re: Review of the theory and detail of the IDEZ antenna
Message-ID: <010701c226c4\$0705c7a0\$4e100a0a@rohredt2000>

Brian, and the group:

I was asked to comment further on the IDEZ,(Inverted Double Extended Zepp) antennas I developed for Field Day and home use.

If you have a lot of real estate, or even an urban lot, you can use IDEZ on 20m and up. But even more fun, is if you can put one up for 80m and use on all higher bands. If cut for 20m, it will fit in 88 feet or a bit less, as an inverted Vee. (25 feet up center fits 80 plus feet one into a 65 foot wide lot.)

It is simply the old Double Zepp, but to aid in working more directions, you drop the ends below horizontal. This adds to the vertical radiation component, and fills in the lobes you get on higher band use. Plus, it takes less horizontal real estate for the wire.

The Double Zepp is a dipole, but with 5/8 wave legs. The center feed can be done with 300 ohm or 450 ohm or higher ladder line. Or even 300 ohm twin lead. Commercial or home made line can be used.

For FD economy, we simply used empty white vitamin bottles for end insulators and center. The caps can be unscrewed on end insulators, and you pierce the cap center for nylon line, and knot it inside the cap. Screw it back on and the support lines are attached. The wire was no. 14 pvc insulated conduit wire from electrical trade, or Home Depot; 500 foot roll will make several antennas. Punch a hole on each side of the large end of the pill bottle and run wire thru and loop onto the standing part. The same is done on both ends of the larger bottle used at the mid point. Leave a pigtail on the end loop, for attaching feeder. We take the feeder over the middle of the bottle and tie wrap it to itself, for strain relief by the bottle body. We take pigtails off the feeder and use wire nuts to join to pigtails of the dipole halves.

Quick, and amazingly durable. Point closed end of wire nut UP, in case of rain.

For CW end of 80, we used 175 foot legs. The ends were drooped from the club 40 foot tower one year, and from 35 feet, on slip up pole, another year. The ends were tied off in trees about six feet off ground for safety. The wire is insulated, but ends are high voltage points. We used the 468 formula to $\frac{4}{8}$ length, and added $\frac{1}{8}$ to that wire length, but without any correction for the wire insulation. It is a pretty broad tuned dipole, and this was of no consequence as far as we can tell. (The transmatch takes care of all variations).

The parallel line feeder comes down any convenient length to the 4:1 balun, and then to Tee match tuner, or use a full balanced transmatch. IF you encounter any band upon which you have a matching problem, simply add 10 or 5 feet more feeder. This shifts the reactances to a another match point.

The tuning of the transmatch with Dentron Super or Junior Dentron, Tee tuners, was very broad, thus we simply peaked on band noise. Then check SWR on coax from transmatch to transceiver. WE often used only one setting for the whole band, as the antennas appeared low Q, and thus broadly tuned. At first some thought they were not working properly, but then when the loud signals boomed in on 20m, and they got the station with one QRP call, (on SSB), they were convinced of the good working of this signal grabber. That first year with the IDEZ, we worked 68 sections, a first for us casual operators.

We worked both coasts, and all ham centers of population with East West orientation of the wires. We are of course, in SW Central TX, at mid country, suited for this coverage. I was amazed at the ease we worked even off the ends of the Zepps. We worked all Pacific section islands and some DX in western Pacific the first year with the Zepps.

This year, the Zepp again was used for our GOTA and PSK station, and they worked a fair share of Canadians, all over USA, and Puerto Rico, Coast Rica, and other new additions to FD down south. I think the best DX was Brazil this year.

I would say, depending on where you are, you could simply put one up East and West with the inverted ends, and do well covering most directions.

A variation we have intended to try, is add a center shorter wire, (less 5 per cent) as a steered director, slanted off the center support. It would be anchored by a tent peg, which can be moved in an arc to one end or the other of the dipole, and thus steer the main lobe to some extent for gain.

We would be interested in others experience. George up in North Texas has two Zepps at right angles, and has a lot of good results over the better N. Tx soil for RF ground.

We noted over limestone with thin soil, equally good results each Field Day. Of course, more hams in more sections are on simultaneously that weekend, but it does give us a good feel that the IDEZ is more omnidirectional than a ordinary dipole.

72,

Stuart K5KVH

Date: Mon, 8 Jul 2002 14:35:26 -0700 (PDT)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [129409] QRP Plus SOLD! but MFJ DSP unit best offer now!!!
Message-ID: <20020708213526.16885.qmail@web20419.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Jeff <fantbb@yahoo.com> wrote:
QRP Plus has been sold!

MFJ DSP unit \$100 (new \$220) or BEST OFFER!!!

The MFJ is a killer unit for CW and Digital modes by the way. Really shines on those modes! The notch filter makes carriers flat out disappear! A great addition to any QRP radio!

Jeff

=====
AB6MB
NorCal QRP Club #65, QRP-L #1780, ARCI 10071
Radical FIST Member 6798, Fanatic A's fan #1

Do You Yahoo!?
Sign up for SBC Yahoo! Dial - First Month Free
<http://sbc.yahoo.com>

Date: Mon, 08 Jul 2002 17:38:32 -0500
From: "George, W5YR" <w5yr@att.net>
To: kd1jv@moose.ncia.net

Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129410] Re: End fed wire
Message-ID: <3D2A1468.82CCB27C@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

And/or the 88 ft length of a 20-meter EDZ . . .

73/72/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Steven Weber wrote:

>
> >> 26.5m, 15.0m, and 10.0m. These lengths are analyzed in further detail.
> >> In brief, he concludes the 26.5m wire would be suitable for 160 - 10m
> >
> > I got my calculator out and if a Meter is about 39 inches, 26.5m
> > is about 86 feet...
> >
> > Actually, closer to 87 feet (86.942257..), which happens to be pretty close
> > to the 85 feet the W3EDP end feed antenna uses. Coincidence or conspiracy?

End of QRP-L Digest 2610
